

REVIEWED

By Mike Buchanan at 8:49 am, Jul 30, 2024

Review of the 2023 Annual Groundwater Report for Jal No. 4 Gas Plant: **content unsatisfactory**

1. Continue to conduct quarterly groundwater monitoring for the site as prescribed.
2. Sample program monitoring wells for BTEX by EPA method 8260B, sodium (EPA method 6010B, chloride by method 9056 and specific conductance by method 120.1
3. 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 today's date 07/30/2024; no later than 10/28/2024. Failure to do so may result in a fine, citation or Notice of Violation.
5. Submit the 2024 annual groundwater report to OCD by April 1, 2025.

2023 Annual Groundwater Remediation Report Jal No. 4 Gas Plant, Lea County, New Mexico Facility ID No. FCS000000000049 NMOCD Abatement Plan Case #AP – 101 Incident ID #nAPP2110635360

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

Project No. 60724711

March 2024

Quality information

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1. Introduction

On behalf of El Paso Natural Gas Company, LLC (EPNG), AECOM has prepared this 2023 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-101 and Incident ID #nAPP2110635360. This report provides a description of groundwater monitoring activities and analytical results for Calendar Year 2023, 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 the 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**.

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 8260B;
- total dissolved solids (TDS) by Standard Method (SM) 2540C;
- specific conductance by EPA Method 120.1;
- chloride by EPA Method 9056; and
- sodium by EPA Method 6010B.

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

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.

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 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 2023 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**.

3. 2023 Groundwater Monitoring Results

The following sections summarize the field measurement and laboratory analytical results obtained during the 2023 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 2023 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 2023 chloride concentrations in upper and lower groundwater, respectively.

Chloride concentrations for upper groundwater ranged from 21 mg/L in ACW-21 to 15,000 mg/L in ACW-01 during the September 2023 sampling event, as shown on **Figure 5**. Chloride concentrations for lower groundwater ranged from 45 mg/L in ACW-29 to 71,000 mg/L in ACW-20 during the September 2023 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 2023 benzene concentrations for the upper and lower groundwater, respectively.

Benzene concentrations exceeding the NMAC benzene standard of 0.01 mg/L were reported for the upper groundwater samples collected from source area wells ACW -01 (0.058 mg/L), ACW-19 (0.028 mg/L) and ACW-21 (0.019 mg/L), and from upgradient well ENSR-1 (0.011 mg/L). These are the same upper groundwater wells that exhibited benzene exceedances for the 2022 and 2021 annual groundwater sampling events. The benzene concentrations in three of the four wells (ACW-01, ACW-21, and ENSR-1) were lower than the concentrations reported in 2022.

Benzene concentrations exceeding the NMAC standard of 0.01 mg/L were reported for lower groundwater wells ACW-04 (0.027 mg/L), ACW-10 (0.024 mg/L), ACW-11 (0.020 mg/L), ACW-20 (0.060 mg/L, duplicate 0.062 mg/L), and ACW-25 (0.027 mg/L). These are the same lower groundwater wells that exhibited benzene exceedances for the 2022 and 2021 annual groundwater sampling events, except for ACW-10 which was below the NMAC standard in December 2021.

The 2023 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.

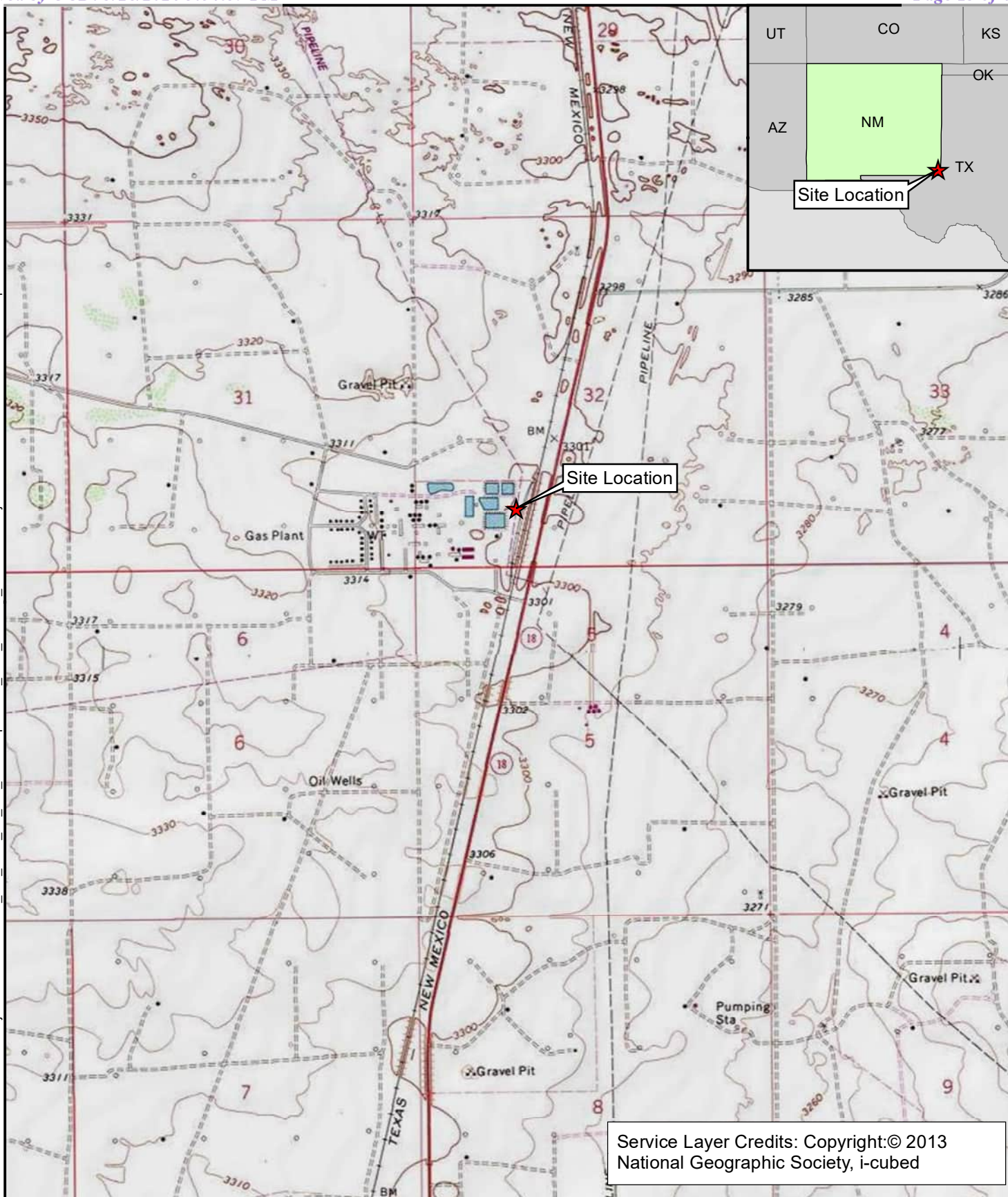
4. Conclusions

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 2023, groundwater samples collected from 11 of 14 upper groundwater wells and from 17 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 seven on-site wells exceed the NMAC benzene standard of 0.01 mg/L. With the exception of monitoring wells 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.

Figures

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Service Layer Credits: Copyright:© 2013
National Geographic Society, i-cubed

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★ Site_Location



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Feet

AECOM

19219 KATY FREEWAY, SUITE 100
HOUSTON, TX 77094
PH: (281) 646-2400
FAX: (281) 646-2401

Scale: As Shown
Drawn by: IL
Date: 2/27/2024
Chk'd by: BMcC
Date: 2/27/2024

Title: Site Location Map		
Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Client: Kinder Morgan		
Project No.: 60724711	File Name: Site Location Map.mxd	Figure: 1

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- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
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- 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.

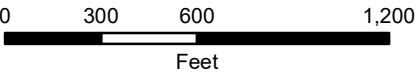
2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

3) GROUNDWATER RECOVERY SYSTEM HAS NOT BEEN OPERATED SINCE 2012.

4) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/6/2023.

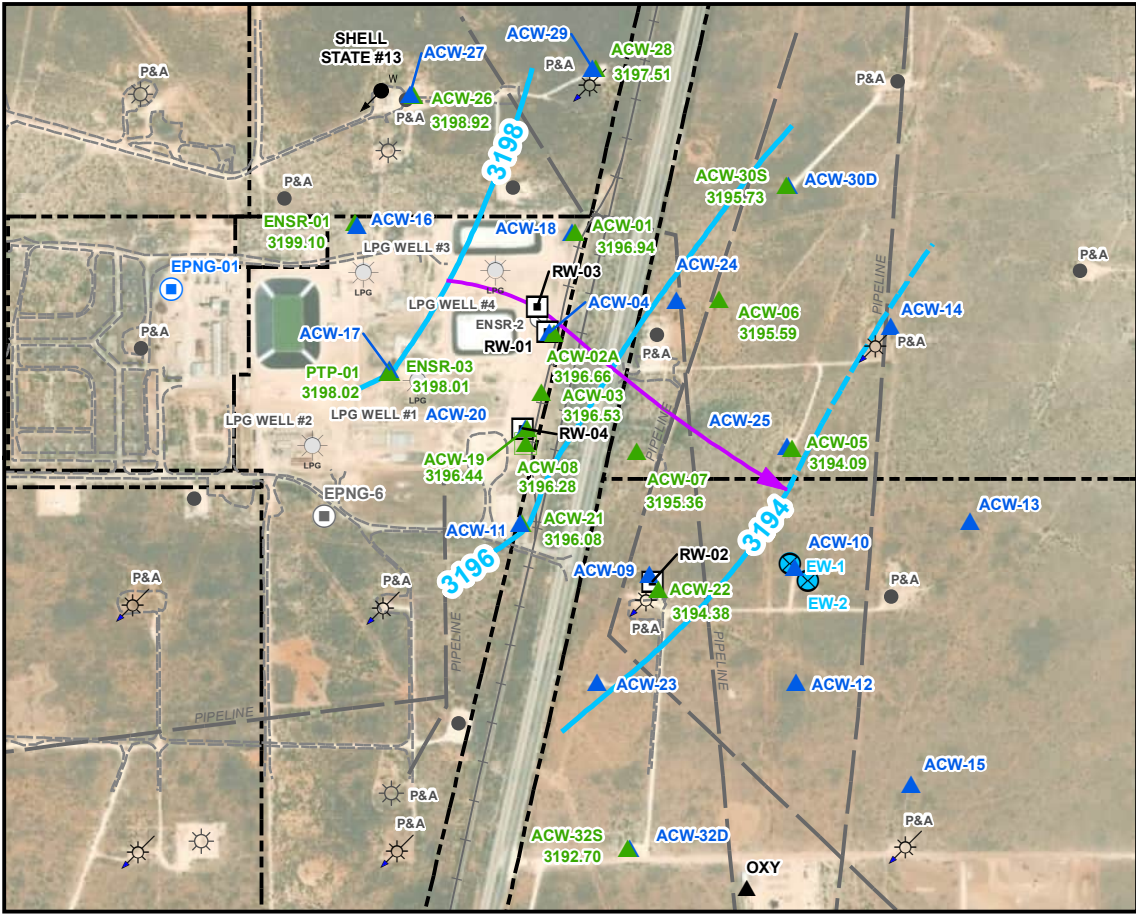
5) SOURCE OF LAND OWNERSHIP IS THE LEA COUNTY APPRAISAL DISTRICT.

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

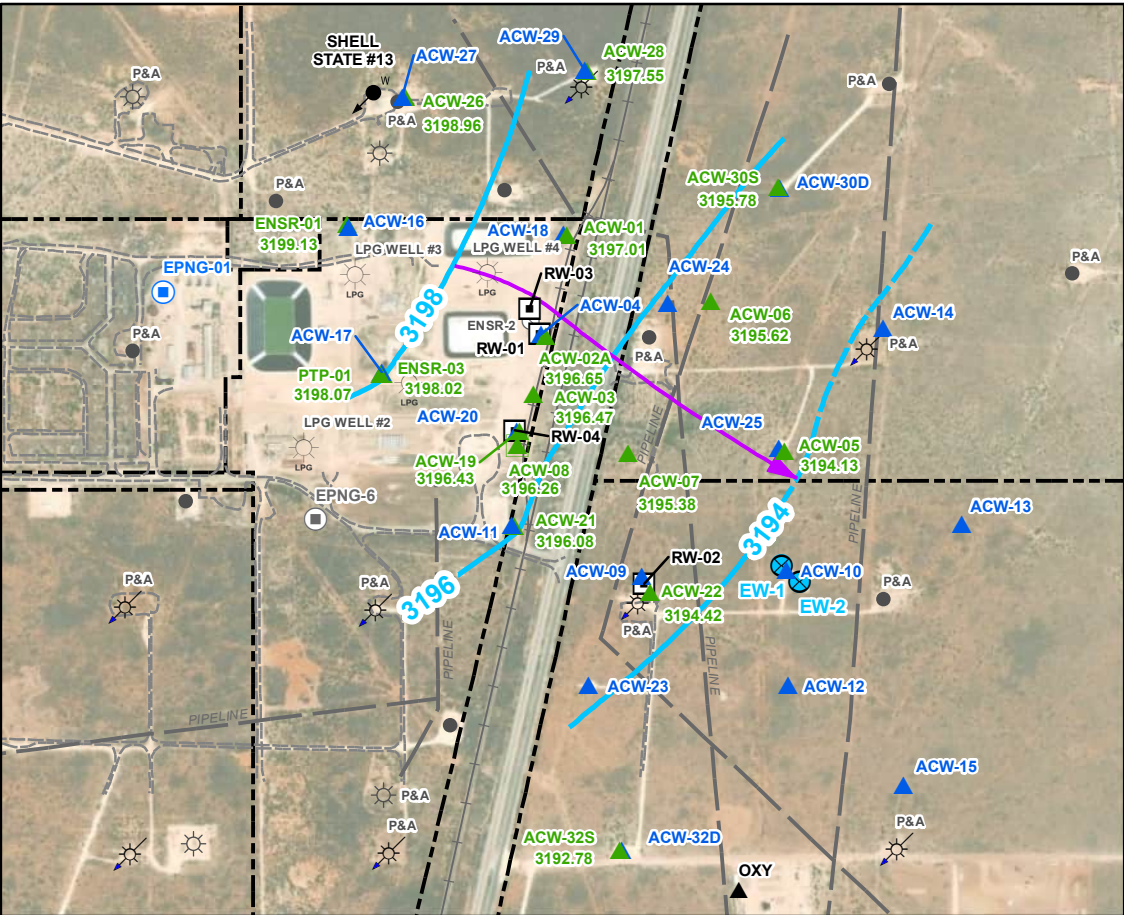


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		Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico	
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Chk'd by: WG	Date: 2/27/2024	Project No.: 60724711	File Name: Site Layout.mxd
			Figure: 2

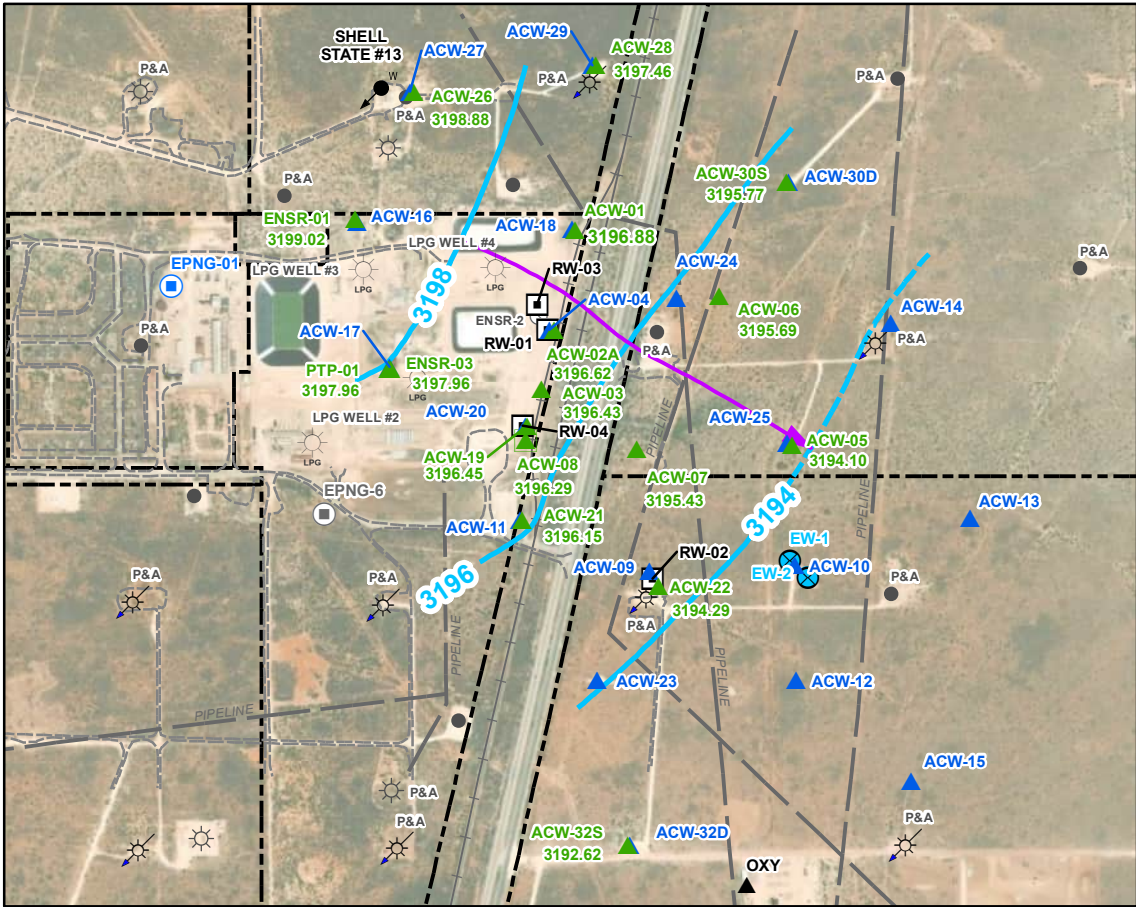
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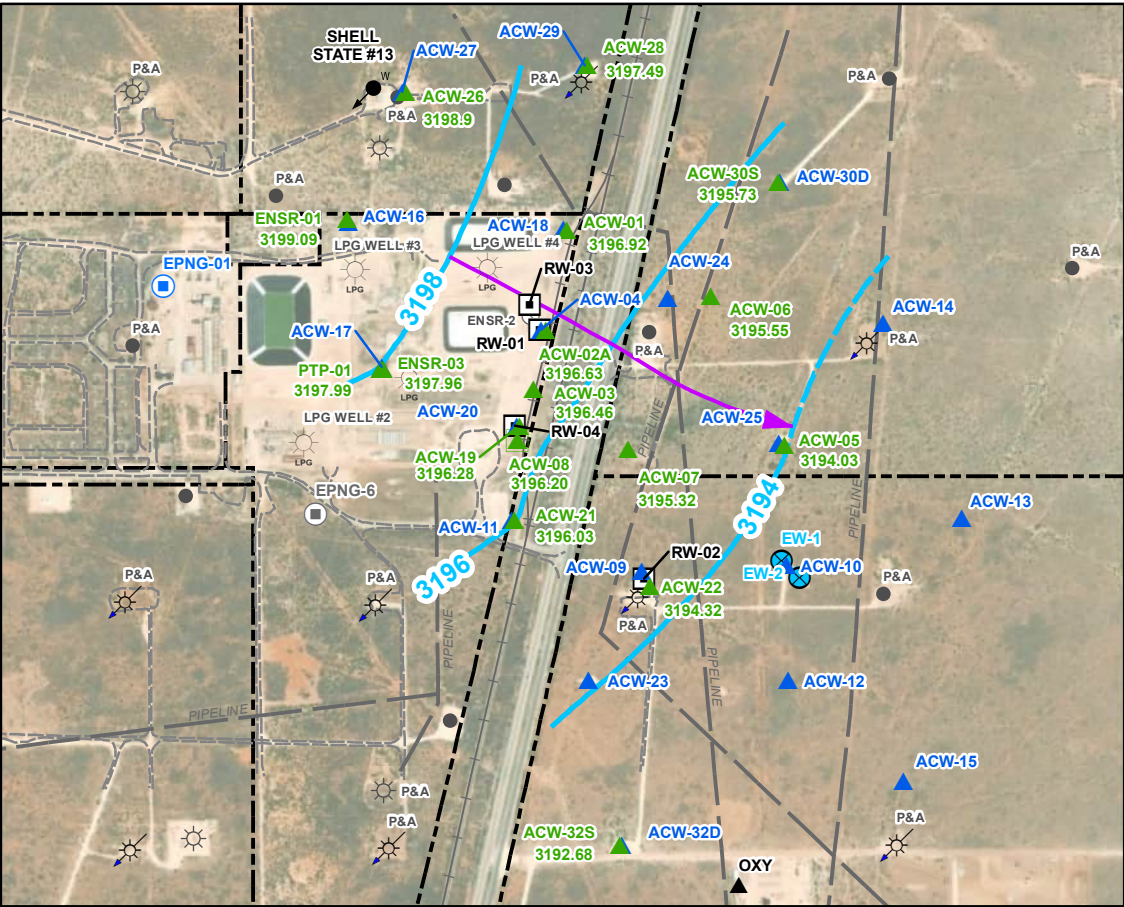
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2nd QUARTER 2023 (JUNE 20, 2023)



3rd QUARTER 2023 (SEPTEMBER 12, 2023)

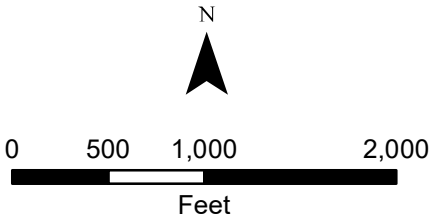


4th QUARTER 2023 (NOVEMBER 30, 2023)

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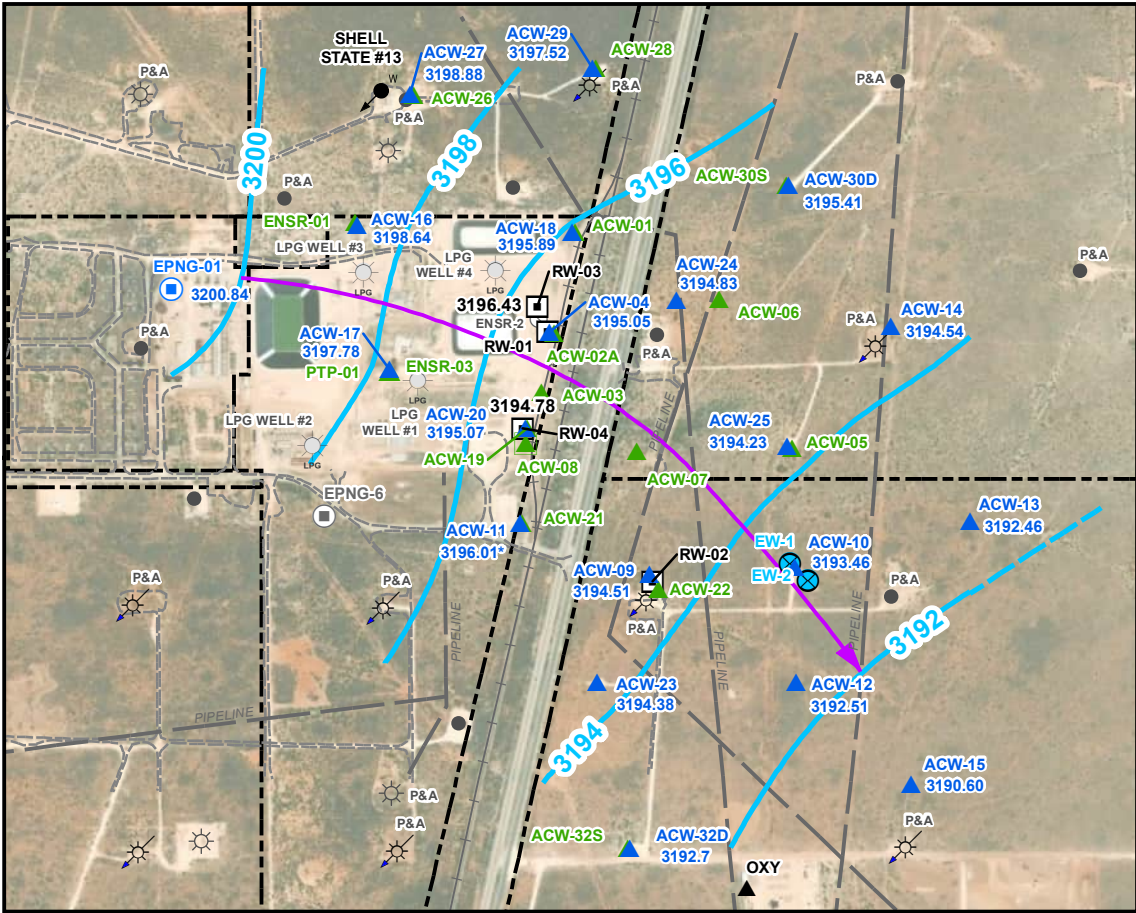
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- CONTOUR OF GROUNDWATER ELEVATION - FEET AMSL, WELLS SCREENED IN THE UPPER PORTION OF THE AQUIFER)
- - - INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- - - SECONDARY ROAD
- RAILROAD TRACK
- - - APPROXIMATE PROPERTY BOUNDARY

NOTES:
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) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/6/2023.

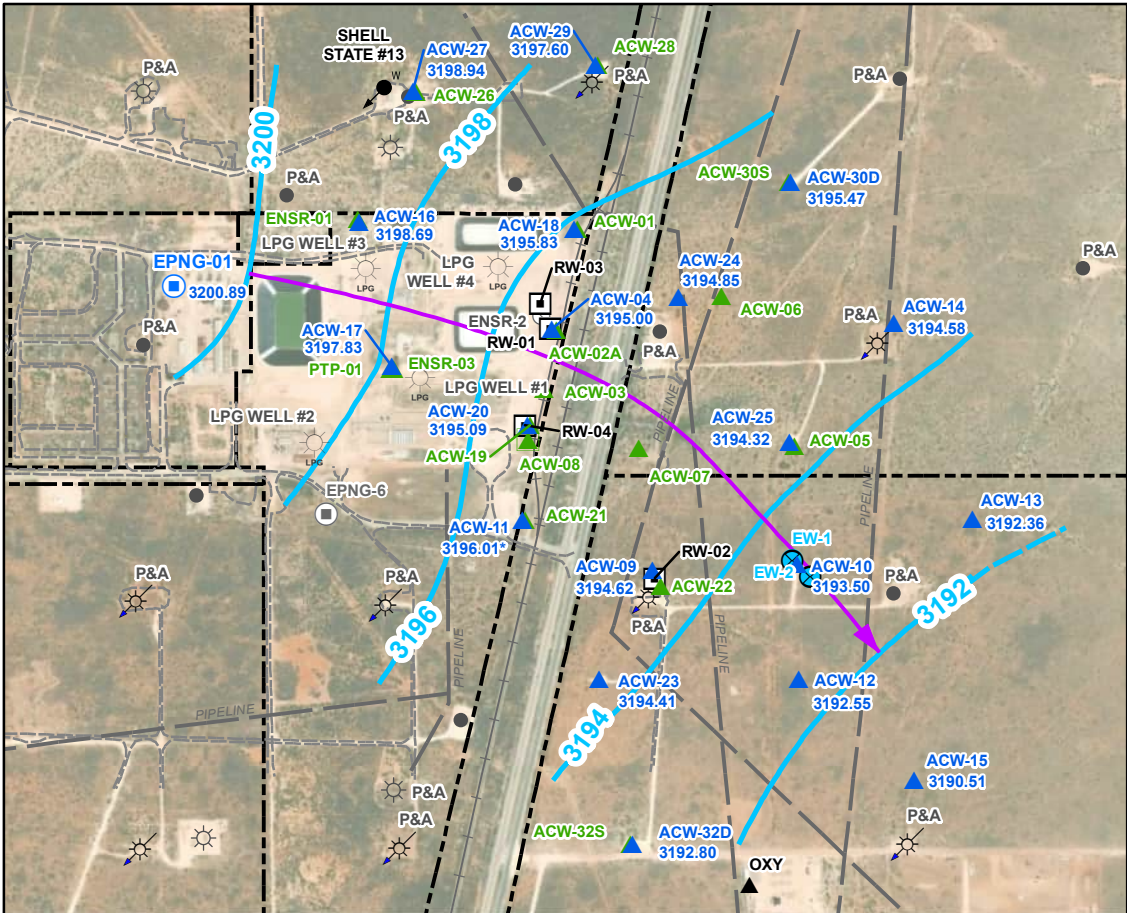


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Scale: As Shown	Drawn by: IL Chk'd by: WG	Date: 3/1/2024 Date: 3/1/2024
Client: Kinder Morgan		Project No.: 60724711 File Name: Upper GWE Map 2023.mxd Figure: 3

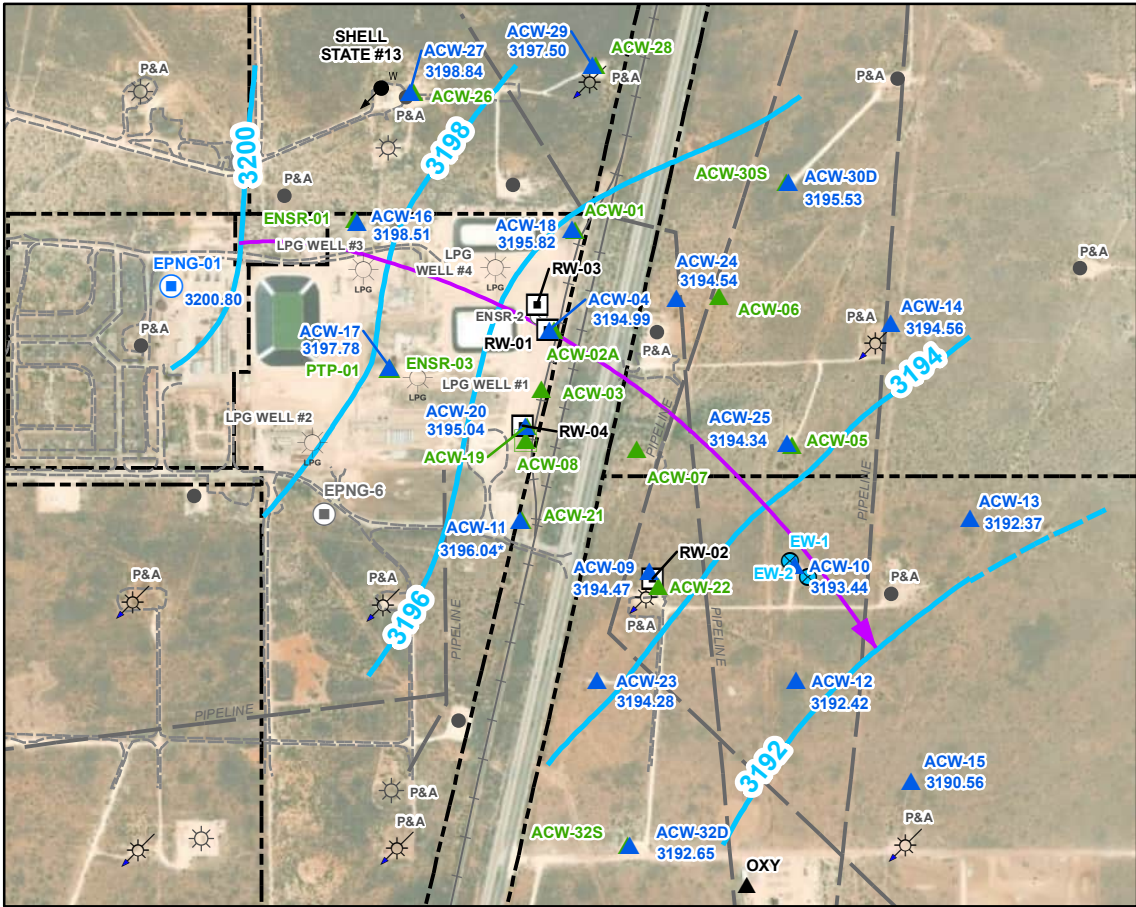
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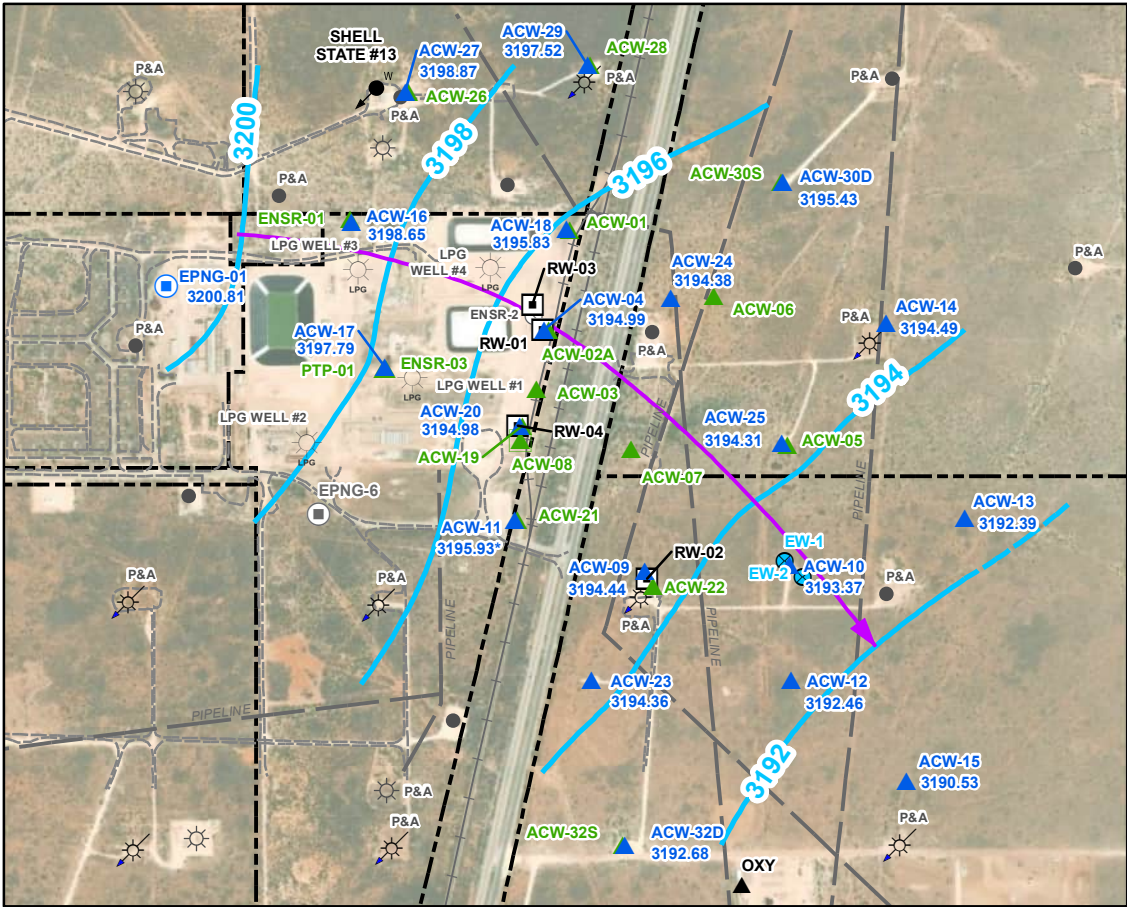
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2nd QUARTER 2023 (JUNE 20, 2023)



3rd QUARTER 2023 (SEPTEMBER 12, 2023)



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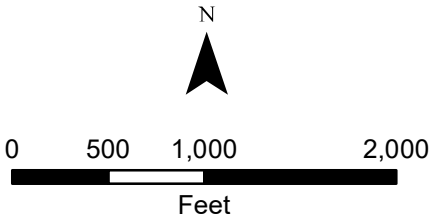
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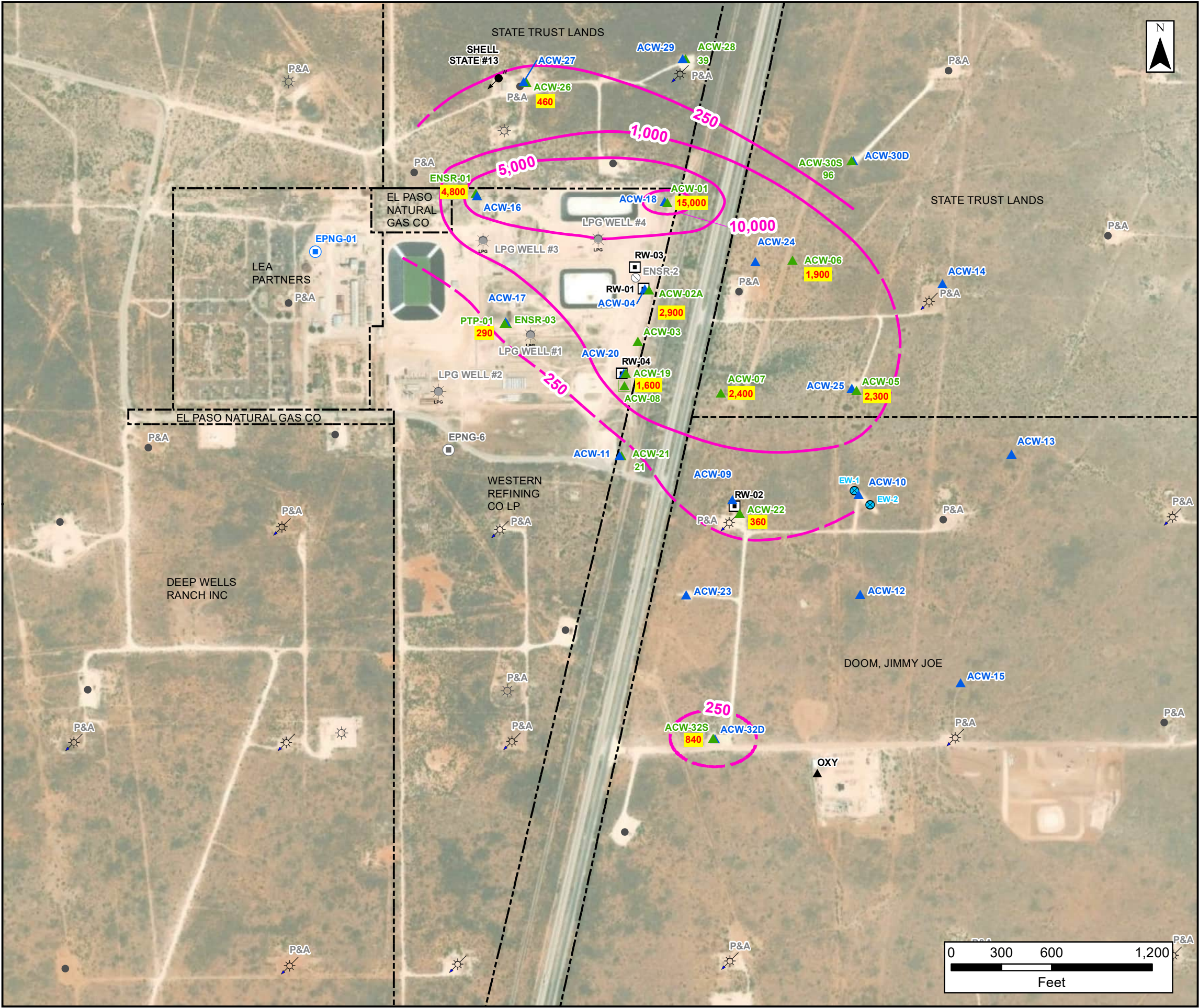
3) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/6/2023.

4) * - THE DATA FROM ACW-11 IS NOT USED TO CONSTRUCT THE POTENTIOMETRIC SURFACE CONTOURS.



AECOM 19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400		Title: 2023 Groundwater Surface Elevation Map – Lower Groundwater	
		Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico	
Scale: As Shown	Drawn by: IL Chk'd by: WG	Date: 3/1/2024 Date: 3/1/2024	Client: Kinder Morgan
Project No.: 60724711		File Name: Lower GWE Map 2023.mxd	Figure: 4

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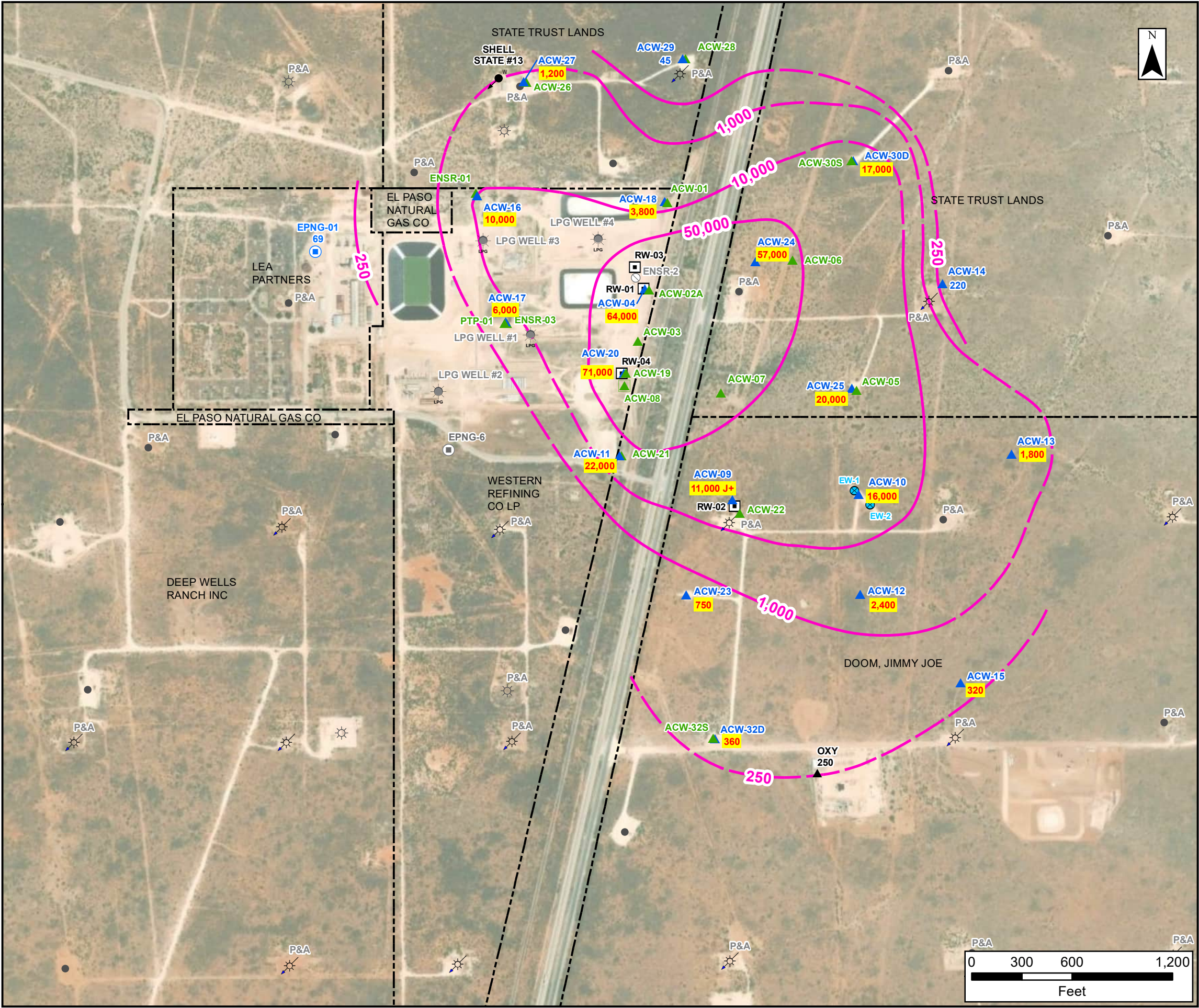
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- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- APPROXIMATE PROPERTY BOUNDARY
- 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 8/6/2023.
 - 6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOC OIL & GAS MAP.

			Title: Isopleth of Chloride Concentrations in Upper Groundwater September 2023		
19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400			Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale:	Drawn by:	Date:	Client: Kinder Morgan		
As Shown	IL	3/1/2024			
	Chk'd by:	Date:	Project No.:	File Name:	Fig:
	WG	3/1/2024	60724711	Upper Chloride Dec2023.mxd	5

Path: \\na.aecomnet.com\fs\AMER\Houston-US\HOU2\DCS\Projects\ENV\60724711_KM_2023_Jal_NM_GWMReport\900_CAD_GIS\920_GIS\From Project 60702606\MXD\Lower Chloride Dec2023.mxd



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/ABANDONED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- APPROXIMATE PROPERTY BOUNDARY

17000 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 8/6/2023.
 - 6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCDD OIL & GAS MAP.
 - 7) WHERE DUPLICATE SAMPLES WERE COLLECTED, THE GREATER RESULT IS SHOWN.

AECOM			Title: Isopleth of Chloride Concentrations in Lower Groundwater September 2023		
19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400			Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Plant - Lea County, New Mexico		
Scale:	Drawn by: IL	Date: 3/1/2024	Client: Kinder Morgan		
As Shown	Chk'd by: WG	Date: 3/1/2024	Project No.: 60724711	File Name: Lower Chloride Dec2023.mxd	Fig: 6

Path: \\na.aecomnet.com\fs\AMER\Houston-US\HOU2\DCS\Projects\ENV\60724711_KM_2023_JaI_NM_GWMReport\900_CAD_GIS\920_GIS\From Project 60702606\MXD\Upper Benzene Dec2023.mxd



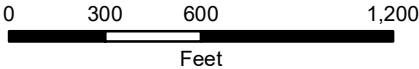
Legend

- 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/ABANDONED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012

--- APPROXIMATE PROPERTY BOUNDARY

0.028 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 8/6/2023.
 - 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: Benzene Concentrations in Upper Groundwater September 2023		
			Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale: As Shown	Drawn by: IL	Date: 3/1/2024	Client: Kinder Morgan		
	Chk'd by: WG	Date: 3/1/2024	Project No.: 60724711	File Name: Upper Benzene Dec2023.mxd	Figure No.: 7

Path: \\na.aecomnet.com\fs\AMER\Houston-US\HOU2\DCS\Projects\ENV\60724711_KM_2023_Jal_NM_GWMReport\900_CAD_GIS\920_GIS\From Project 60702606\MXD\Lower Benzene Dec2023.mxd



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/ABANDONED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXIMATE PROPERTY BOUNDARY
- 0.027** 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).

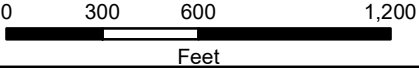
3) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

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 8/6/2023.

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

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



	Title: Benzene Concentrations in Lower Groundwater September 2023		
	Project: 2023 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale:	Drawn by:	Date:	Client:
As Shown	IL	3/1/2024	Kinder Morgan
Chk'd by:	Date:	Project No.:	File Name:
WG	3/1/2024	60724711	Lower Benzene Dec2023.mxd
			Figure No.: 8

Tables

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

Well ID	2023 Quarter 1	2023 Quarter 2	2023 Quarter 3	2023 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

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

Well ID	2023 Quarter 1	2023 Quarter 2	2023 Quarter 3	2023 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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
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

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
RW-01	109 to 179	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

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
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

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

Notes:

TOC : Measured from top of casing

ft-amsl : feet above mean sea level

NM : No measurement taken

ft bgl: feet below ground level

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 µmhos/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

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 µmhos/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
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 µmhos/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	0.00060 J	< 0.0016	12,000	6,300	2,900	2,600
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

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 µmhos/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

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 µmhos/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
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	---

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 µmhos/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-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
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

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 µmhos/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

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 µmhos/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
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	2,230
		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 µmhos/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	0.0018	< 0.0016	8,500	4,200	2,400	1,600
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 µmhos/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

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 µmhos/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
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 µmhos/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)		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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Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmhos/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
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 µmhos/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
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

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 µmhos/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 µmhos/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
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

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 µmhos/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

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 µmhos/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

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 µmhos/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

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 µmhos/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)	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
		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	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
ACW-14		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
		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

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 µmhos/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

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 µmhos/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

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 µmhos/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

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 µmhos/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
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
		11/7/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	644	436	26	71

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 µmhos/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)		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

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 µmhos/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 µmhos/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
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
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

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 µmhos/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-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
ACW-19		9/12/2023	< 0.00050	< 0.00900	< 0.00050	< 0.0016	110,000	76,000	3,800	21,000
		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
ACW-20		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
		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	0.060	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

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 µmhos/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-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
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	< 0.0016	2,400	1,300	360	400
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
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

Table 3
Groundwater Analytical Results
 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 µmhos/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-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
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
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	< 0.0016	4,700	2,900	1,200	350
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
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

Table 3
Groundwater Analytical Results
 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 µmhos/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-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
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
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
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	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,800	1,000	360	140

Table 3
Groundwater Analytical Results
 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 µmhos/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
RW-02		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
		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
RW-03		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
ENSR-01		11/8/2012	0.09140	0.06060	0.02280	0.03980	88,400	74,000	58,200	27,200
		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	---

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 µmhos/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
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 µmhos/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

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 µmhos/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
Oxy Supply		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
		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

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 µmhos/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)		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

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	0.00070 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
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	---
		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

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 µmhos/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)		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
Doom Supply		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
		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

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 µmhos/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)		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

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 µmhos/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

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 µmhos/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
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	---

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 µmhos/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 (cont'd)		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	< 0.00050	< 0.0016	1,900	780	290	190

Table 3
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 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 detected 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

Appendix A

Site Chronology

AECOM

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.

AECOM

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.

AECOM

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 III 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.

AECOM

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.

AECOM

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.

Appendix B

2023 Quarterly HMI Data



Hydrologic Monitoring

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

Phone 713.464.5206

Fax 713.464.5207

March 29, 2023

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

Subject: 1Q23 Groundwater Monitoring, March 23, 2023
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 and AECOM at the Jal #4 Gas Plant.

Contents

Field Activities Narrative

Table 1: Gauging Data and Groundwater Field Parameters, March 23, 2023

Groundwater Sampling Forms and Field Instrument Calibration Record

Chain-of-Custody Form

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 is completed at the site.
2. Two well nests were installed in 2H18 (ACW-30S & ACW-30D and ACW-32S & ACW-32D). Two additional well nests (ACW-26 & 27 and ACW-28 & 29) were installed in 2H19 (ACW-26 is shallow & ACW-27 is deep; ACW-28 is shallow & ACW-29 is deep).
3. Generally, 4Q scope includes sitewide gauging and sampling of 36 wells, per ARF. Quarters 1 through 3 scope includes sitewide gauging and limited groundwater sampling (i.e., ACW-13, 14, 15, Doom Well, and Fmr Oxy Well).
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 3 Events:

Dup-01 @ ACW-13 (all analytes)
(No field blanks requested per ARF)
Trip Blank-01 (BTEX)

Quarter 4 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

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

7. An HMI-prototyped *ventilated barrel cover*, safely and effectively evaporates investigation-derived waste (IDW) purgewater generated during environmental groundwater monitoring, and is approved by New Mexico Environment Department (NMED). Per EPNGC, a labeled 55-gallon steel drum with *ventilated barrel cover* (attached to drum with bolt-ring closure), is supported on wooden blocks, inside an open-top poly overpack. It sits on a wooden pallet, and is strapped to steel rail “cage” adjacent to RW-2 (E-side of Hwy). IDW purgewater has been successfully evaporating “24/7”, since 2Q20. Previous purgewater (38 gal from 4Q22) found evaporated down to seven gal. Five (5) gal purgewater added 1Q23 = 12 gal total.



Jal #4 Gas Plant, Jal, New Mexico – IDW Drum Body, coated inside and out with Flex-Seal waterproofing protectant (to serve with Ventilated Barrel Cover)



Jal #4 Gas Plant, Jal, New Mexico - drum with Ventilated Barrel Cover, in open overpack – evaporates groundwater sampling IDW purgewater “24-7”; HMI replaced existing rusting drum with a new drum in 1Q23 (HMI treated both inside and outside of IDW drum, and Ventilated Barrel Cover, with heavy coatings of “Flex-Seal” sealant, per Kn, to deter rusting, etc.; IDW drum is elevated (on wooden blocks) off the base of poly overpack to keep it out of rainwater episodes collected in the overpack

Site notes:

Since 2Q22, HMI to notify a contact below, in advance of planned daily activities at Jal #4 Gas Plant - plant is closed - onsite personnel cannot not be expected.

Jesse Moore, 575-725-1797 / 432-257-9687; jmoore6@marathonpetroleum.com, or

Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com.

Since 1Q23, gate access available if no onsite personnel, per JM to GDS. Well EPNG-01 area gate lock code (2-4-3-3) [or HMI contacts Israel at Energy Transfer (432-290-8677) to request access to "Plant, Jal #4 Booster Station", a day prior to field activities, so that Israel can arrange to open the gate, for HMI's one-day-access to monitor well EPNG-01, since 3Q21].

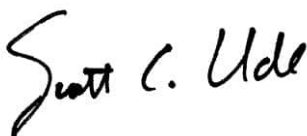
Monitor well lock keys are maintained with HMI's files.

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

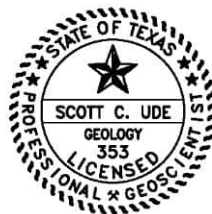
HMI appreciates the opportunity to assist El Paso Natural Gas Company and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on March 29, 2023.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., HMI
Brandon Albright, 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
March 23, 2023

Well I.D.	1-3Q23 # Wells Sampled	1-3Q23 # Wells Gauged	4Q23 # Wells Sampled	4Q23 # 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	105.21	0.00	0.00	3,196.94	30.24	135.45	1.9	110-130	130.5	4" PVC	8.35	19.3	19,410	0.5	218.7	0.9	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.50	0.00	0.00	3,196.66	19.99	125.49	2.0	98-118	120.5	4" PVC	6.85	19.8	10,350	0.2	176.9	2.0	Clear	
ACW-03		3		1	No	3,301.62	NP	105.09	0.00	0.00	3,196.53	30.03	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	107.00	0.00	0.00	3,195.05	64.10	171.10	1.7	154-169	169.1	4" PVC	6.95	19.9	128,100	1.2	102.5	3.7	Clear	2H22 SC value double-checked/correct
ACW-05		5	4		Yes	3,297.18	NP	103.09	0.00	0.00	3,194.09	14.28	117.37	1.5	105-115	114.4	4" PVC	6.28	18.7	8,350	1.9	83.5	7.0	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.25	0.00	0.00	3,195.59	15.38	122.63	1.7	110-120	119.6	4" PVC	8.86	19.5	4,510	1.4	17.6	4.1	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.27	0.00	0.00	3,195.36	15.12	117.39	1.5	105-115	114.4	4" PVC	7.12	18.9	8,810	1.8	1174.0	4.6	Clear	
ACW-08		8		2	No	3,299.54	NP	103.26	0.00	0.00	3,196.28	56.65	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	110.18	0.00	0.00	3,194.51	52.30	162.48	2.4	140-160	159.5	4" PVC	6.30	17.2	26,700	2.4	120.8	7.3	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.36	0.00	0.00	3,193.46	56.68	163.04	2.5	140-160	160.0	4" PVC	6.63	17.2	16,300	2.0	26.7	2.2	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.63	0.00	0.00	3,196.01	56.05	161.68	2.1	140-161	159.7	4" PVC	6.16	17.9	48,600	1.2	39.3	5.9	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.29	0.00	0.00	3,192.51	62.64	171.93	2.5	150-170	168.9	4" PVC	6.59	18.9	7,020	1.7	-40.1	2.9	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.26	0.00	0.00	3,192.46	76.36	175.62	2.0	153-173	172.6	4" PVC	6.94	21.5	3,710	2.1	84.5	3.2	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.20	0.00	0.00	3,194.54	76.02	176.22	2.0	157-177	173.2	4" PVC	6.97	22.2	851	4.1	100.1	8.5	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.15	0.00	0.00	3,190.60	69.42	171.57	2.3	150-170	168.6	4" PVC	7.02	21.2	1,058	3.4	92.4	2.6	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.25	0.00	0.00	3,198.64	67.69	176.94	2.4	156-176	174.9	4" PVC	7.11	19.6	23,400	0.7	90.4	1.6	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.39	0.00	0.00	3,197.78	63.39	171.78	2.6	151-171	169.8	4" PVC	6.77	20.8	15,200	1.9	104.8	5.1	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.26	0.00	0.00	3,195.89	69.94	177.20	2.5	160-180	175.2	4" PVC	6.47	18.9	107,400	0.4	78.1	0.3	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.24	0.00	0.00	3,196.44	14.92	121.16	2.2	98-118	119.2	4" PVC	6.65	17.9	7,900	1.8	134.7	3.9	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.43	0.00	0.00	3,195.07	65.60	174.03	2.2	154-174	172.0	4" PVC	5.99	18.8	136,500	1.6	188.7	4.6	Clear	
ACW-21		18	19		Yes	3,301.82	NP	105.74	0.00	0.00	3,196.08	14.78	120.52	2.1	98-118	118.5	4" PVC	6.77	18.4	1,772	2.1	140.7	3.5	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.86	0.00	0.00	3,194.38	13.18	125.04	2.5	102-122	123.0	4" PVC	6.89	17.0	3,340	1.7	117.8	5.5	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.91	0.00	0.00	3,194.38	57.80	169.71	2.3	147-167	167.7	4" PVC	6.78	19.0	3,100	1.5	46.9	3.2	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.73	0.00	0.00	3,194.83	78.39	189.12	2.2	166-186	187.1	4" PVC	6.17	17.6	86,200	1.6	124.6	4.2	Clear	Analyzed for flash point, 3Q22
ACW-25		22	23		Yes	3,297.59	NP	103.36	0.00	0.00	3,194.23	71.32	174.68	2.1	151-171	172.7	4" PVC	6.59	16.6	27,600	1.3	51.1	3.6	Clear	Analyzed for flash point, 3Q22
ACW-26		23	24		Yes	3,309.27	NP	110.35	0.00	0.00	3,198.92	20.25	130.60	1.6	103-128	125.6	4"PVC	7.14	19.2	1,868	2.6	78.2	4.9	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.34	0.00	0.00	3,198.88	66.86	177.20	1.8	160-180	167.2	4"PVC	6.95	19.1	1,980	3.6	73.2	3.9	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.98	0.00	0.00	3,197.51	19.32	128.30	1.8	102-127	123.3	4"PVC	6.99	19.2	511	3.1	114.2	3.7	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.83	0.00	0.00	3,197.52	67.96	176.79	1.8	160-180	166.8	4"PVC	7.06	19.1	630	3.1	135.9	4.0	Clear	
ACW-30S		27	28		Yes	3,300.17	NP	104.44	0.00	0.00	3,195.73	18.06	122.50	2.3	95-120	117.5	3" PVC	7.43	18.6	614	4.2	23.1	6.5	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.74	0.00	0.00	3,195.41	82.69	187.43	2.3	165-185	177.4	3" PVC	6.45	17.7	29,700	1.4	111.4	3.2	Clear	
ACW-32S		28	30		Yes	3,299.60	NP	106.90	0.00	0.00	3,192.70	15.43	122.33	2.5	95-120	117.3	3" PVC	7.76	18.5	3,290	1.9	50.1	3.3	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.91	0.00	0.00	3,192.70	65.73	172.64	2.5	150-170	162.6	3" PVC	7.33	19.3	2,000	1.8	40.4	2.4	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	17.9	490	1.8	-38.7	6.4	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.61	0.00	0.00	3,199.10	47.74	155.35	1.6	123-148	150.4	4" PVC	7.05	18.5	17,610	1.8	84.1	1.6	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.04	0.00	0.00	3,198.01	48.06	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	109.19	0.00	0.00	3,200.84	54.74	163.93	AG	120-160	160.9	6" Steel	7.85	18.7	909	3.0	137.3	2.5	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	19.0	1,089	1.8	-118.0	6.0	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.65	0.00	0.00	3,198.02	NM	136.09	2.3	110-130	131.1	2" PVC	6.75	20.0	1,670	1.1	131.7	2.3	Clear	
RW-01		34		4	No	3,302.16	NP	105.44	0.00	0.00	3,196.72	76.19	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.25	0.00	0.00	3,194.46	64.40	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.13	0.00	0.00	3,196.52	71.56	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		36		7	No	3,303.26	NP	108.49	0.00	0.00	3,194.77	67.67	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 23, 2023; In 3Q22, EPNG added ACW-24 & ACW-25 analysis for flash point (EPA SW846 1010B)
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

Monitoring Well Purging and Sampling Record

+ Dup - 01

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

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: ASO
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
3/23/23	950	NP	99.26	0.00	0.00	175.62	172.6	153-173				Weather: Partly 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
3/23/23	955	99.61	0.5	6.84	20.9	3700	2.0	87.0	14.5		
	958	99.61	1.0	6.95	20.9	3730	2.1	82.2	12.3	Low-flow purge-sample with	Clean
	1000	99.63	1.5	6.99	21.0	3700	2.1	80.7	11.6	HMI's dedicated bladder pump	
	1003	99.63	2.0	6.99	21.0	3700	2.2	81.1	8.9		
	1005	99.64	2.5	6.97	21.2	3770	2.2	82.5	6.5		
	1008	99.64	3.0	6.96	21.3	3690	2.1	83.5	5.2		
	1010	99.64	3.5	6.95	21.4	3700	2.1	84.2	4.9		
	1013	99.64	4.0	6.94	21.5	3710	2.1	84.5	3.2		

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
3/23/23	1015	ACW-13	99.64	6.94	21.5	3710	2.1	84.5	3.2	Per COC	Per Lab	Lab: Eurofins TA, 453001
	900	Dup-01	Collected for same analysis									

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: *WOS*
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
3/23/23	1225	NP	100.20	0.00	0.00	176.22	173.2	157-177				Weather: <i>Partly Cloudy, 70's</i>

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
3/23/23	1230	100.29	0.5	7.80	22.5	870	5.7	84.1	17.3	Low-flow purge-sample with	<i>Clear</i>
	1233	100.34	1.0	7.72	22.5	860	5.3	99.8	14.2	HMI's dedicated bladder pump	
	1235	100.38	1.5	7.06	22.4	881	4.9	103.1	11.0		
	1237	100.40	2.0	6.85	22.2	864	4.4	105.3	10.1		
	1240	100.40	2.5	6.90	22.3	860	4.2	105.4	9.6		
	1243	100.40	3.0	6.93	22.3	854	4.1	103.0	9.0		
	1245	100.40	3.5	6.95	22.2	853	4.1	101.6	8.7		
	1247	100.40	4.0	6.97	22.2	851	4.1	100.1	8.5		

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
3/23/23	1250	ACW-14	100.40	6.97	22.2	851	4.1	100.1	8.5	Per COC	Per Lab	Lab: Eurofins TA, ...

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: ASO
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
3/23/23	1100	NP	102.15	0.00	0.00	171.57	168.6	150-170				Weather: Sunny 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
3/23/23	1105	102.21	0.5	6.49	24.1	1603	3.7	121.5	9.1	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1108	102.21	1.0	6.57	23.5	1509	3.6	116.9	7.8		
	1110	102.23	1.5	6.67	23.3	1403	3.4	113.2	5.4		
	1113	102.23	2.0	6.91	21.9	1165	3.5	102.2	4.2		
	1115	102.23	2.5	7.00	21.5	1147	3.6	98.8	3.7		
	1118	102.23	3.0	7.01	21.2	1107	3.5	97.8	3.5		
	1120	102.24	3.5	7.01	21.1	1068	3.4	95.5	2.9		
	1123	102.24	4.0	7.02	21.2	1058	3.4	92.4	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
3/23/23	1125	ACW-15	102.24	7.02	21.2	1058	3.4	92.4	2.6	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

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: *CMS*
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
3/23/23	1050	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Partly cloudy, 60's</i>

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
3/23/23	1055	NA	1.0	7.48	17.3	579	4.0	-22.4	8.8	Mr. Doom's water supply well;	<i>Clear</i>
	1056	↓	2.0	7.39	16.5	488	2.6	-27.1	6.9	sampled at spigot inside	
	1057	↓	3.0	7.45	19.3	492	2.2	-38.1	7.2	Mr. Doom's shed; purged	
	1058	↓	4.0	7.51	17.9	490	1.8	-38.7	6.4	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
3/23/23	1100	Doom Well	NA	7.51	17.9	490	1.8	-38.7	6.4	Per COC	Per Lab	Lab: Eurofins TA, Inc.

Monitoring Well Purging and Sampling Record

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

Well: OXY Well

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
3/23/23	1010	NA	NA	NA	NA	NA	NA	NA				
												Weather: Partly Cloudy, 60'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
3/23/23	1015	NA	1.0	7.57	18.8	1153	2.2	-129.8	12.7	OXY bldg. water supply well;	clear w/ orange
	1016	↓	2.0	7.44	19.7	1133	1.8	-131.3	8.9	sampled at outdoor spigot (to	particles
	1017	↓	3.0	7.45	18.6	1077	2.0	-122.3	7.4	right of front door; pliers may be	↓
	1018	↓	4.0	7.40	19.0	1089	1.8	-118.0	6.0	needed); purge 4 gal prior to	clear
										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
3/23/23	1020	OXY Well	NA	7.40	19.0	1089	1.8	-118.0	6.0	Per COC	Per Lab	Lab: Eurofins TA, 10/15/23

Lea County, New Mexico

Hydrologic Monitoring

[illegible]

Ver: 06/08/2021



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: 3/3/2023

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

Email invoice to KM Project Manager

Invoice in Ariba

Invoice Consultant

Non-Remediation Dept. Sampling

Sample Event Description and
Contaminants of Concern

1st Quarter 2023 -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:

3/29/2023

Anticipated Completion Date:

3/29/2023

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

Houston, 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	<u>X</u>	Hard Copy	_____	Other - Specify _____
	Excel	<u>X</u>	Equis	_____	
Size Limitation of deliverable for e-mail:	20	<u>MB</u>	Unlimited	_____	
Forward the Electronic Data Deliverables to:		Contact Name		E-Mail Address	
Company					
<u>AECOM</u>		<u>Wally Gilmore</u>		<u>wallace.gilmore@aecom.com</u>	
_____		_____		_____	
_____		_____		_____	
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 <u>XXX</u>
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:	<u>Wally Gilmore</u>	Date:	<u>3/3/2023</u>
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

[illegible]

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 ☒ No ☐

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

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

[illegible][illegible]

**Hydrologic Monitoring**

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

Phone 713.464.5206

Fax 713.464.5207

MEMORANDUM

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

 Ricardo R Franco 2 @ 11 11 505-240-7204
 Jesse J Moore 6 @ MARATHON PETROLEUM.com 575-725-1797/432-257-9687
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Hydrologic Monitoring

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

Phone 713.464.5206

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June 28, 2023

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

Subject: 2Q23 Groundwater Monitoring, June 20, 2023
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.

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Supplemental AECOM's ARF, Eurofins-Pensacola Bottle Kit Documentation

Supplemental GW Sampling Chain-of-Custody Form

Field Activities Narrative

1. In 2017, HMI equipped the sample well network with HMI-owned dedicated bladder pumps to increase sample quality and field efficiencies. HMI requests the opportunity to retrieve its pumps when HMI's monitoring activities are completed.
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. In general, 4Q scope includes sitewide gauging and sampling of ~36 wells, per AECOM's ARF. Quarter 1, Quarter 2, and Quarter 3 scope includes sitewide gauging, but limited groundwater sampling (i.e., ACW-13, 14, 15, Doom Well, and Fmr Oxy Well).
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 3 Events:

Dup-01 @ ACW-13 (all analytes)
(No field blanks requested per ARF)
Trip Blank-01 (BTEX)

Quarter 4 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

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

7. A WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC in Texas, with New Mexico Environment Department (NMED) approval, to safely evaporate investigation derived waste (IDW) purgewater generated during environmental groundwater monitoring activities in Jal, New Mexico. The 55-gallon steel drum is fitted with a WINDCRUSHER™ *ventilated barrel cover*, with the drum-and-top assembly supported a few inches off of the base on a poly overpack secondary containment barrel, to keep it out of potential temporary rainwater. The entire assembly is positioned on a wooden pallet, and is strapped to a steel rail “cage” near RW-2 (E-side of Hwy). IDW purgewater has been evaporating “24/7”, since 2020. Previous purgewater (12 gal after the 1Q23 event) had completely evaporated upon arrival for the 2Q23 event. Five (5) gal purgewater was added at the completion of the 2Q23 event.



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.

Site notes:

Since 2Q22, HMI to notify a contact below, in advance of planned daily activities at Jal #4 Gas Plant - plant is closed - onsite personnel cannot not be expected.

Jesse Moore, 575-725-1797 / 432-257-9687; jmoore6@marathonpetroleum.com, or
Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com.

Per site reps 1Q23, site access is possible through specified gate access, if no personnel are onsite, per J.M. to HMI's GDS. Well EPNG-01 area gate lock code (2-4-3-3).

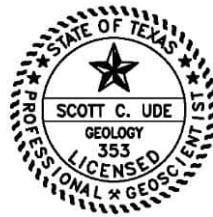
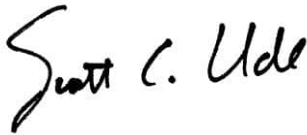
Monitor well lock keys are maintained with HMI files.

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

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on June 28, 2023.

Attachments

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

**Supplemental (Overpumping/Ltd. GW Sampling) (ACW-24, EW-1, EW-2)
+ E-Tech Support, June 21-22, 2023**

At the request of EPNGC and AECOM, HMI conducted an overpumping & associated groundwater sampling program at three select wells (ACW-24, EW-1, EW-2).

Activities are documented on attached Well Pumping Record forms, and included:

- Initial (pre-pumping) groundwater sample at each of the three wells (5-ft PVC bailer)
- Set up at each of the three wells, sequentially; conduct 4-hour pump episode @ 5 gpm, with limited monitoring of groundwater field parameters during pumping
- Collect the (post-pumping) sample via pump effluent, prior to the conclusion of the 4-hr pumping event at each well.
- Recovered water was pumped directly into the waiting water transport truck facilitated by E-Tech, and was transported to Centennial water management operation site for disposal, as arranged by EPNGC/AECOM, with bill of lading provided by E-Tech.

Scope email:

Scott and TJ,

The purpose of this email is to provide you with some more specific information regarding the groundwater sampling we would like to conduct in June at the Kinder Morgan Jal, NM site.

Please let me know if you have questions regarding the following:

- Scope of Work – Pump three wells (ACW-24, EW-1 and EW-2 – see attached figure) at 5 gpm for 4 hours and collect two sets of samples: one prior to pumping and one at the conclusion of pumping.
- Schedule – We would like to conduct the sampling June 21-22.
- Location – Please see the attached aerial photo for the locations of the pumping wells. The site is just east of Hwy 18, near the intersection with Deep Wells Road, approximately 9-10 miles north of Jal.
- Laboratory Analyses – To be provided to HMI in a separate email.
- Water Disposal – The water will be transported to the Centennial water management operation site for disposal (see attached)
- Contracting – AECOM will help to plan and coordinate the field activities. HMI will pump the wells and collect samples for laboratory analysis by Eurofins (direct bill to Kinder Morgan). eTech will bill water handling and transportation to HMI, who will then bill Kinder Morgan.

Kinder Morgan and AECOM look forward to working with you on this project. Please let me know if you have any questions or if you would like to discuss. Thanks!

Wally Gilmore, P.G.

Sr. Project Manager

AECOM 713.542.9523

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
June 20, 2023

Well I.D.	1-3Q23 # Wells Sampled	1-3Q23 # Wells Gauged	4Q23 # Wells Sampled	4Q23 # 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	105.14	0.00	0.00	3,197.01	30.31	135.45	1.9	110-130	130.5	4" PVC	8.35	19.3	19,410	0.5	218.7	0.9	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.51	0.00	0.00	3,196.65	19.98	125.49	2.0	98-118	120.5	4" PVC	6.85	19.8	10,350	0.2	176.9	2.0	Clear	
ACW-03		3		1	No	3,301.62	NP	105.15	0.00	0.00	3,196.47	29.97	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	6.95	19.9	128,100	1.2	102.5	3.7	Clear	2H22 SC value double-checked/correct
ACW-05		5	4		Yes	3,297.18	NP	103.05	0.00	0.00	3,194.13	14.32	117.37	1.5	105-115	114.4	4" PVC	6.28	18.7	8,350	1.9	83.5	7.0	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.22	0.00	0.00	3,195.62	15.41	122.63	1.7	110-120	119.6	4" PVC	8.86	19.5	4,510	1.4	17.6	4.1	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.25	0.00	0.00	3,195.38	15.14	117.39	1.5	105-115	114.4	4" PVC	7.12	18.9	8,810	1.8	1174.0	4.6	Clear	
ACW-08		8		2	No	3,299.54	NP	103.28	0.00	0.00	3,196.26	56.63	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	110.07	0.00	0.00	3,194.62	52.41	162.48	2.4	140-160	159.5	4" PVC	6.30	17.2	26,700	2.4	120.8	7.3	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.32	0.00	0.00	3,193.50	56.72	163.04	2.5	140-160	160.0	4" PVC	6.63	17.2	16,300	2.0	26.7	2.2	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.63	0.00	0.00	3,196.01	56.05	161.68	2.1	140-161	159.7	4" PVC	6.16	17.9	48,600	1.2	39.3	5.9	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.25	0.00	0.00	3,192.55	62.68	171.93	2.5	150-170	168.9	4" PVC	6.59	18.9	7,020	1.7	-40.1	2.9	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	6.84	22.7	5,230	1.7	137.9	3.9	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.16	0.00	0.00	3,194.58	76.06	176.22	2.0	157-177	173.2	4" PVC	6.40	22.8	911	4.4	142.3	2.9	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.24	0.00	0.00	3,190.51	69.33	171.57	2.3	150-170	168.6	4" PVC	6.75	23.5	1,368	2.2	114.5	2.9	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.20	0.00	0.00	3,198.69	67.74	176.94	2.4	156-176	174.9	4" PVC	7.11	19.6	23,400	0.7	90.4	1.6	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.34	0.00	0.00	3,197.83	63.44	171.78	2.6	151-171	169.8	4" PVC	6.77	20.8	15,200	1.9	104.8	5.1	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.32	0.00	0.00	3,195.83	69.88	177.20	2.5	160-180	175.2	4" PVC	6.47	18.9	107,400	0.4	78.1	0.3	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.25	0.00	0.00	3,196.43	14.91	121.16	2.2	98-118	119.2	4" PVC	6.65	17.9	7,900	1.8	134.7	3.9	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.41	0.00	0.00	3,195.09	65.62	174.03	2.2	154-174	172.0	4" PVC	5.99	18.8	136,500	1.6	188.7	4.6	Clear	
ACW-21		18	19		Yes	3,301.82	NP	105.74	0.00	0.00	3,196.08	14.78	120.52	2.1	98-118	118.5	4" PVC	6.77	18.4	1,772	2.1	140.7	3.5	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.82	0.00	0.00	3,194.42	13.22	125.04	2.5	102-122	123.0	4" PVC	6.89	17.0	3,340	1.7	117.8	5.5	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.88	0.00	0.00	3,194.41	57.83	169.71	2.3	147-167	167.7	4" PVC	6.78	19.0	3,100	1.5	46.9	3.2	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.71	0.00	0.00	3,194.85	78.41	189.12	2.2	166-186	187.1	4" PVC	6.17	17.6	86,200	1.6	124.6	4.2	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.27	0.00	0.00	3,194.32	71.41	174.68	2.1	151-171	172.7	4" PVC	6.59	16.6	27,600	1.3	51.1	3.6	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.31	0.00	0.00	3,198.96	20.29	130.60	1.6	103-128	125.6	4"PVC	7.14	19.2	1,868	2.6	78.2	4.9	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.28	0.00	0.00	3,198.94	66.92	177.20	1.8	160-180	167.2	4"PVC	6.95	19.1	1,980	3.6	73.2	3.9	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	6.99	19.2	511	3.1	114.2	3.7	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.75	0.00	0.00	3,197.60	68.04	176.79	1.8	160-180	166.8	4"PVC	7.06	19.1	630	3.1	135.9	4.0	Clear	
ACW-30S		27	28		Yes	3,300.17	NP	104.39	0.00	0.00	3,195.78	18.11	122.50	2.3	95-120	117.5	3" PVC	7.43	18.6	614	4.2	23.1	6.5	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.68	0.00	0.00	3,195.47	82.75	187.43	2.3	165-185	177.4	3" PVC	6.45	17.7	29,700	1.4	111.4	3.2	Clear	
ACW-32S		28	30		Yes	3,299.60	NP	106.82	0.00	0.00	3,192.78	15.51	122.33	2.5	95-120	117.3	3" PVC	7.76	18.5	3,290	1.9	50.1	3.3	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.81	0.00	0.00	3,192.80	65.83	172.64	2.5	150-170	162.6	3" PVC	7.33	19.3	2,000	1.8	40.4	2.4	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.58	25.6	518	1.6	-56.2	5.3	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.58	0.00	0.00	3,199.13	47.77	155.35	1.6	123-148	150.4	4" PVC	7.05	18.5	17,610	1.8	84.1	1.6	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.03	0.00	0.00	3,198.02	48.07	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	109.14	0.00	0.00	3,200.89	54.79	163.93	AG	120-160	160.9	6" Steel	7.85	18.7	909	3.0	137.3	2.5	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	29.0	1,326	1.4	-92.4	5.1	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.60	0.00	0.00	3,198.07	NM	136.09	2.3	110-130	131.1	2" PVC	6.75	20.0	1,670	1.1	131.7	2.3	Clear	
RW-01		34		4	No	3,302.16	NP	105.51	0.00	0.00	3,196.65	76.12	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.20	0.00	0.00	3,194.51	64.45	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.20	0.00	0.00	3,196.45	71.49	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		36		7	No	3,303.26	NP	108.48	0.00	0.00	3,194.78	67.68	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 20, 2023
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

+ 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: Aso
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
6/20/23	830	NP	99.36	0.00	0.00	175.62	172.6	153-173				Weather: Sunny 80S

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
6/20/23	835	99.42	0.5	6.24	23.2	5326	2.5	132.6	16.7	Low-flow purge-sample with	Clear
	838	99.44	1.0	6.78	23.1	5300	2.3	114.3	13.3	HMI's dedicated bladder pump	
	840	99.46	1.5	6.80	22.8	5290	2.1	127.6	11.9		
	843	99.46	2.0	6.81	22.8	5270	2.0	129.2	9.2		
	845	99.46	2.5	6.81	22.9	5260	1.9	130.6	7.6		
	848	99.46	3.0	6.83	22.8	5260	1.9	132.0	5.3		
	850	99.48	3.5	6.83	22.7	5240	1.8	135.3	4.5		
	853	99.48	4.0	6.84	22.7	5230	1.7	137.9	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
6/20/23	855	ACW-13	99.48	6.84	22.7	5230	1.7	137.9	3.9	Per COC	Per Lab	Lab: Eurofins TA, ...
	800	DUP-01	99.48	6.84	22.7	5230	1.7	137.9	3.9			

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: Aso
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
6/20/23	1025	N/P	100.16	0.00	0.00	176.22	173.2	157-177				Weather: Sunny 80'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
6/20/23	1030	100.26	0.5	6.67	22.5	1100	6.1	114.2	9.3	Low-flow purge-sample with	Clear
	1033	100.31	1.0	6.63	22.6	1051	5.9	119.1	8.7	HMI's dedicated bladder pump	
	1035	100.35	1.5	6.60	22.6	987	5.6	125.8	7.5		
	1038	100.38	2.0	6.55	22.6	982	5.2	129.1	5.6		
	1040	100.39	2.5	6.52	22.8	968	5.0	132.0	3.9		
	1043	100.40	3.0	6.47	22.7	944	4.8	137.6	3.4		
	1045	100.40	3.5	6.43	22.7	926	4.5	139.4	3.0		
	1048	100.40	4.0	6.40	22.8	911	4.4	142.3	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
6/20/23	1050	ACW-14	100.40	6.40	22.8	911	4.4	142.3	2.9	Per COC	Per Lab	Lab: Eurofins TA, ...

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: Aso
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
6/20/23	930	NP	102.24	0.00	0.00	171.57	168.6	150-170				Weather: Sunny 80'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
6/20/23	935	102.27	0.5	6.37	24.0	1677	3.3	147.3	11.2	Low-flow purge-sample with	Clean
	932	102.27	1.0	6.40	24.0	1625	3.1	139.7	10.7	HMI's dedicated bladder pump	
	940	102.28	1.5	6.49	23.8	1562	3.0	135.9	8.9		
	943	102.29	2.0	6.53	23.8	1515	2.8	132.5	6.5		
	945	102.29	2.5	6.57	23.7	1492	2.5	123.0	4.2		
	948	102.30	3.0	6.68	23.6	1381	2.3	126.6	3.6		
	950	102.30	3.5	6.72	23.5	1373	2.2	117.6	3.3		
	953	102.31	4.0	6.75	23.5	1368	2.2	114.5	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
6/20/23	955	ACW-15	102.31	6.75	23.5	1368	2.2	114.5	2.9	Per COC	Per Lab	Lab: Eurofins TA

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: *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
6-20-23	930	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Sunny, 90s</i>

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
6-20-23	935	NA	1.0	7.61	26.0	612	2.4	-27.2	8.1	Mr. Doom's water supply well;	<i>Clear</i>
	936		2.0	7.58	25.8	547	1.9	-36.9	6.4	sampled at spigot inside	
	937		3.0	7.57	25.7	529	1.7	-48.1	5.8	Mr. Doom's shed; purged	
	938		4.0	7.58	25.6	518	1.6	-56.2	5.3	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
6-20-23	940	Doom Well	NA	7.58	25.6	518	1.6	-56.2	5.3	Per COC	Per Lab	Lab: Eurofins TA, 30 mg/L, 1X

Monitoring Well Purging and Sampling Record

☒ Paso Natural Gas Company
☒ #4 Gas Plant
☒ Brea County, New Mexico

Well: OXY Well

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
6-20-23	850	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Sunny, 90s</i>

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
6-20-23	855	NA	1.0	7.59	29.8	1510	1.9	-70.3	9.2	OXY bldg. water supply well;	<i>Clear</i>
	856	↓	2.0	7.55	29.2	1362	1.7	-79.6	6.4	sampled at outdoor spigot (to	↓
	857	↓	3.0	7.53	29.0	1344	1.5	-86.1	5.8	right of front door; pliers may be	↓
	858	↓	4.0	7.51	29.0	1326	1.4	-92.4	5.1	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
6-20-23	900	OXY Well	NA	7.51	29.0	1326	1.4	-92.4	5.1	Per COC	Per Lab	Lab: Eurofins TA,

Instrument Calibration Log

El Paso Natural Gas Company

Jal #4 Gas Plant

Lea County, New Mexico

Hydrologic Monitoring

[illegible]

Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

6339 6592 6884  eurofins

Environment Testing

Released to Imaging: 7/30/2024 10:15:35 AM



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: 6/12/2023

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

Email invoice to KM Project Manager _____

Invoice in Ariba _____

Invoice Consultant _____

Non-Remediation Dept. Sampling

Sample Event Description and
Contaminants of Concern

2nd Quarter 2023 -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:

6/20/2023

Anticipated Completion Date:

6/20/2023

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

Houston, 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	<u>X</u>	Hard Copy
	Excel	<u>X</u>	Equis
Size Limitation of deliverable for e-mail:	5	<u>MB</u>	Unlimited
Forward the Electronic Data Deliverables to:		Contact Name	E-Mail Address
Company			
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 <u>XXX</u>
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:	6/12/2023
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

[illegible]

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 ☒	No ☐

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

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

Ship Bottles to:		Shipping Return:	
Company	<u>HMI</u>	FedEx	<u> </u> UPS <u> </u> Laboratory Courier <u> </u>
Contact Name	<u>Scott Ude</u>	Sample Crew Drop Samples at Laboratory	<u> </u> Other - Specify: <u> </u>
Location Name	<u> </u>	Saturday Delivery <u> </u>	
Street Address	<u>1654 W Sam Houston Pkwy N</u>		
City, State, Zip	<u>Houston, Texas 77043</u>		
Phone Number	<u>713-714-1624</u>		
Date/Time Bottles Required		6/16/2023 cob	

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to HMI by June 16, 2023.

Phone Logs and Project Correspondence

[illegible]

**Hydrologic Monitoring**

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

Phone 713.464.5206

Fax 713.464.5207

MEMORANDUM

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

 Ricardo R Franco 2 @ 11 11 505-240-7204
 Jesse J Moore 6 @ MARATHON PETROLEUM.com 575-725-1797/432-257-9687
Luis 575-605-0149



Hydrologic Monitoring

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

Phone 713.464.5206

Fax 713.464.5207

September 22, 2023

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

Subject: 3Q23 Groundwater Monitoring, September 12, 2023
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.

We have received information that at least some of the groundwater at Jal may contain H₂S. Your staff needs to be aware of that, but the reason for my communication is to request that the annual groundwater sample event be conducted in September, and a quarterly event conducted in December. We want to include H₂S analysis in this event for all site wells and I need that information as soon as possible. Please let me know if this can be accommodated. Thanks,

Joseph (Joe) Wiley
EHS Remediation Project Manager
713-420-3475
Cell: 832-279-1610
1001 Louisiana Street | Room 1445B, Houston, TX 77002



Contents

Field Activities Narrative

Table 1: Gauging Data and Groundwater Field Parameters, September 12, 2023

Groundwater Sampling Forms and Field Instrument Calibration Record

Chain-of-Custody Form

ARF

Groundwater Sampling SOP

Pre-Mobilization Site Notification

Field Activities Narrative

1. In 2017, HMI equipped the sample well network with HMI-owned dedicated bladder pumps to increase both 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. The large event was requested to be conducted in 3Q23, however generally, the 4Q scope includes sitewide gauging and sampling of ~36 wells, per AECOM's ARF. Quarter 1, Quarter 2, and Quarter 3 scope includes sitewide gauging, with limited groundwater sampling (i.e., ACW-13, 14, 15, Doom Well & Fmr Oxy Well).
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 3 Events:

Dup-01 @ ACW-13 (all analytes)

(No field blanks requested per ARF)

Trip Blank-01 (BTEX)

Quarter 4 Event (this is the large event, conducted in 3Q in 2023):

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

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

7. A WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC in Texas, with New Mexico Environment Department (NMED) approval, to safely evaporate investigation derived waste (IDW) purgewater generated during environmental groundwater monitoring activities in Jal, New Mexico. The 55-gallon steel drum is fitted with a WINDCRUSHER™ *ventilated barrel cover*, with the drum-and-top assembly supported a few inches off of the base on a poly overpack secondary containment barrel, to keep it out of potential temporary rainwater. The entire assembly is positioned on a wooden pallet, and is strapped to a steel rail “cage” near RW-2 (E-side of Hwy). IDW purgewater has been evaporating “24/7”, since 2020. Previous purgewater (12 gal after the 1Q23 event) had completely evaporated upon arrival for the 2Q23 event. Five (5) gal purgewater was added at the completion of the 2Q23 event.



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.



No precipitation-water was observed between the steel drum and the overpack, 3Q23



35 gal IDW purgewater added, 3Q23

Site notes:

Since 2Q22, HMI to notify a contact below, in advance of planned daily activities at Jal #4 Gas Plant - plant is closed - onsite personnel cannot not be expected.

Jesse Moore, 575-725-1797 / 432-257-9687; jmoore6@marathonpetroleum.com, or **Ricardo Franco**, 505-240-7204; rfranco@marathonpetroleum.com.

Per site reps 1Q23, 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).

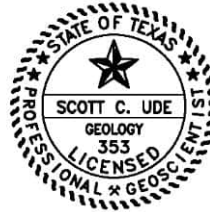
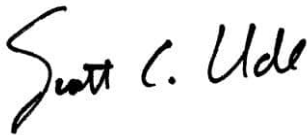
Monitor well lock keys are maintained with HMI files.

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

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on September 22, 2023.

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
September 12, 2023 (large event for 2023 conducted in 3Q per El Paso)

Well I.D.	1-3Q23	1-3Q23	4Q23	4Q23	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
	# Wells Sampled	# Wells Gauged	(3Q23) # Wells Sampled	(3Q23) # Wells Gauged																					
ACW-01		1	1		Yes	3,302.15	NP	105.27	0.00	0.00	3,196.88	30.18	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	105.54	0.00	0.00	3,196.62	19.95	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	105.19	0.00	0.00	3,196.43	29.93	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	107.06	0.00	0.00	3,194.99	64.04	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	103.08	0.00	0.00	3,194.10	14.29	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	107.15	0.00	0.00	3,195.69	15.48	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	102.20	0.00	0.00	3,195.43	15.19	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	103.25	0.00	0.00	3,196.29	56.66	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	110.22	0.00	0.00	3,194.47	52.26	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	106.38	0.00	0.00	3,193.44	56.66	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	105.60	0.00	0.00	3,196.04	56.08	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	99.35	0.00	0.00	3,192.37	76.27	175.62	2.0	153-173	172.6	4" PVC	6.72	22.6	5,270	1.5	232.6	7.7	Clear	
ACW-14	2		12		Yes	3,294.74	NP	100.18	0.00	0.00	3,194.56	76.04	176.22	2.0	157-177	173.2	4" PVC	6.74	20.5	1,131	4.1	88.3	1.6	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.19	0.00	0.00	3,190.56	69.38	171.57	2.3	150-170	168.6	4" PVC	6.85	20.8	1,326	3.2	161.4	3.3	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.38	0.00	0.00	3,198.51	67.56	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	108.39	0.00	0.00	3,197.78	63.39	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	107.33	0.00	0.00	3,195.82	69.87	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	106.23	0.00	0.00	3,196.45	14.93	121.16	2.2	98-118	119.2	4" PVC	7.07	20.3	10,420	1.7	-193.7	5.4	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.46	0.00	0.00	3,195.04	65.57	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	105.67	0.00	0.00	3,196.15	14.85	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	111.95	0.00	0.00	3,194.29	13.09	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	111.02	0.00	0.00	3,194.54	78.10	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	103.25	0.00	0.00	3,194.34	71.43	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	110.39	0.00	0.00	3,198.88	20.21	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	110.38	0.00	0.00	3,198.84	66.82	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	109.03	0.00	0.00	3,197.46	19.27	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	108.85	0.00	0.00	3,197.50	67.94	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	104.40	0.00	0.00	3,195.77	18.10	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	104.62	0.00	0.00	3,195.53	82.81	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	106.98	0.00	0.00	3,192.62	15.35	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	7.31	21.2	592	2.3	-81.5	5.0	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.69	0.00	0.00	3,199.02	47.66	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	107.09	0.00	0.00	3,197.96	48.01	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	109.23	0.00	0.00	3,200.80	54.70	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	7.38	24.8	1,389	1.6	-135.3	4.6	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	105.50	0.00	0.00	3,196.66	76.13	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.29	0.00	0.00	3,194.42	64.36	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.24	0.00	0.00	3,196.41	71.45	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		36		7	No	3,303.26	NP	108.45	0.00	0.00	3,194.81	67.71	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 20, 2023
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

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: *MIS*
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
9-12-23	1030	NP	105.27	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
9-12-23	1032	105.37	0.5	7.34	20.8	21,200	1.5	-157.9	29.8	Low-flow purge-sample with	Clear, black particles,
	1035	105.37	1.0	7.98	20.6	21,200	1.4	-189.2	25.2	HMI's dedicated bladder pump	odor
	1037	105.37	1.5	8.18	20.4	21,300	1.3	-204.7	20.7		
	1040	105.37	2.0	8.35	20.4	21,400	1.2	-214.6	15.9		
	1042	105.37	2.5	8.38	20.4	21,300	1.1	-217.4	10.1		
	1045	105.37	3.0	8.39	20.4	21,300	1.0	-218.2	8.7		
	1047	105.37	3.5	8.40	20.4	21,200	0.9	-219.6	7.9		
✓	1050	105.37	4.0	8.41	20.4	21,200	0.8	-219.9	6.8		

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
9-12-23	1055	ACW-01	105.37	8.41	20.4	21,200	0.8	-219.9	6.8	Per COC	Per Lab	Lab: Eurofins TA

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: *MIS*
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
9-12-23	1200	105.54	105.54	0.00	0.00	125.49	120.5	98-118				Weather: <i>cloudy 70s</i>

Well Purging Record

* ORP
Completed

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
9-12-23	1205	105.60	0.5	7.90	22.0	15000	2.9	-284.7	37.1	Low-flow purge-sample with	<i>Clear</i>
	1207	105.65	1.0	7.80	22.5	14,110	2.5	-282.3	30.2	HMI's dedicated bladder pump	
	1240	105.69	1.5	7.75	21.2	13,880	2.0	-281.2	22.3		
	1219	105.75	2.0	7.70	21.1	13,750	1.2	-280.7	15.3		
	1215	105.77	2.5	7.68	21.1	13,640	1.0	-278.2	13.4		
	1217	105.79	3.0	7.67	21.1	13,470	0.8	-276.3	12.5		
	1220	105.80	3.5	7.66	21.1	13,320	0.7	-275.1	11.2		
	1222	105.80	4.0	7.65	21.1	13,260	0.6	-272.7	10.7		

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
9-12-23	1225	ACW-02A	105.80	7.65	21.1	13,260	0.6	-272.7	10.7	Per COC	Per Lab	Lab: Eurofins TA.

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: ACW-03

Hydrologic Monitoring

Houston, Texas

4" PVC recovery well

*NO
Lock present

Initials: 03D
Well Condition: Good

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

No sampling; Gauge-only

[illegible]

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

Well Inspection Information

Initials: ASO
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
9/12/23	955	NP	107.06	2.00	0.00	171.10	169.1	154-169			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
9/12/23	1000	107.11	0.5	6.41	20.7	82,800	2.4	-110.7	11.2	Low-flow purge-sample with	clear
	1003	107.14	1.0	6.42	20.7	86,000	2.4	-117.6	4.7	HMI's dedicated bladder pump	
	1005	107.14	1.5	6.42	20.8	86,200	2.4	-124.2	7.9		
	1008	107.15	2.0	6.43	20.7	86,200	2.3	-129.8	6.4		
	1010	107.15	2.5	6.44	20.6	86,500	2.0	-133.6	6.0		
	1013	107.15	3.0	6.51	20.4	86,300	1.9	-137.4	5.5		
	1015	107.15	3.5	6.52	20.4	86,300	1.8	-141.9	5.0		
	1018	107.15	4.0	6.52	20.4	86,300	1.8	-149.8	4.7		

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
9/12/23	1020	ACW-04	107.15	6.52	20.4	86,300	1.8	-149.8	4.7	Per COC	Per Lab	Lab: Eurofins TA, ...

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: *BS*
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
9/12/23	1355	NP	103.08	0.00	0.00	117.37	114.4	105-115				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
9/12/23	1400	103.42	0.5	6.55	21.0	8530	4.8	-39.6	9.2	Low-flow purge-sample with	Clear
	1403	103.61	1.0	6.58	20.9	8500	4.2	-46.8	8.0	HMI's dedicated bladder pump	"
	1405	103.68	1.5	6.61	20.8	8470	3.6	-50.2	6.9		"
	1408	103.72	2.0	6.63	20.7	8440	3.3	-54.7	6.1		"
	1410	103.75	2.5	6.65	20.7	8420	3.2	-56.2	5.7		"
	1413	103.77	3.0	6.67	20.7	8410	3.1	-57.8	5.4		"
	1415	103.79	3.5	6.68	20.7	8400	3.1	-58.1	5.3		"
	1418	103.80	4.0	6.68	20.7	8390	3.0	-58.6	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
9/12/23	1420	ACW-05	103.80	6.68	20.7	8390	3.0	-58.6	5.1	Per COC	Per Lab	Lab: Eurofins TA, ...

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: *CPS*
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
9/12/23	1115	NP	107.15	0.00	0.00	122.63	119.6	110-120				Weather: <i>clear, 60's</i>

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
9/12/23	1120	107.31	0.5	7.88	21.4	9170	3.9	-26.7	3.8	Low-flow purge-sample with	<i>clear</i>
	1123	107.65	1.0	8.22	20.8	6600	2.6	-250.9	4.2	HMI's dedicated bladder pump	
	1125	107.80	1.5	8.88	20.8	6200	1.9	-274.6	3.8		
	1127	107.91	2.0	8.97	20.7	6130	1.6	-279.1	4.2		
	1130	107.96	2.5	8.96	20.7	6080	1.5	-278.0	3.7		
	1133	107.99	3.0	8.93	20.7	6080	1.3	-276.7	3.6		
	1135	108.02	3.5	8.91	20.7	6050	1.3	-274.5	3.6		
	1137	108.04	4.0	8.89	20.7	6030	1.4	-272.6	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
9/12/23	1140	ACW-06	108.04	8.89	20.7	6030	1.4	-272.6	3.4	Per COC	Per Lab	Lab: Eurofins TA, ...

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: *LOS*
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
9/12/23	1325	NP	102.20	0.00	0.00	117.39	114.4	105-115				Weather: <i>Clamy, 70's</i>

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
9/12/23	1330	102.35	0.5	7.36	20.7	7230	4.9	-31.1	6.5	Low-flow purge-sample with	<i>Clear</i> ↓
	1333	102.43	1.0	7.30	20.8	7420	3.2	-120.8	5.9	HMI's dedicated bladder pump	
	1335	102.48	1.5	7.26	20.7	7550	1.7	-147.1	4.7		
	1337	102.50	2.0	7.24	20.7	7570	1.3	-153.6	4.2		
	1340	102.51	2.5	7.23	20.6	7580	1.2	-157.6	4.0		
	1343	102.52	3.0	7.24	20.6	7580	1.2	-161.0	4.7		
	1345	102.52	3.5	7.24	20.6	7580	1.3	-161.1	4.1		
	1347	102.53	4.0	7.24	20.6	7560	1.2	-161.6	3.6		

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
9/12/23	1350	ACW-07	102.53	7.24	20.6	7560	1.2	-161.6	3.6	Per COC	Per Lab	Lab: Eurofins TA,

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: 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
7-12-23	1220	NP	110.22	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
7-12-23	1225	110.61	0.5	6.50	20.6	27300	3.1	-197.7	11.7	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1228	110.62	1.0	6.42	20.7	27400	2.9	-203.6	10.3		
	1230	110.62	1.5	6.38	20.7	27500	2.7	-210.2	9.6		
	1233	110.62	2.0	6.35	20.8	27500	2.6	-214.4	9.3		
	1235	110.62	2.5	6.32	20.9	27600	2.5	-217.6	8.7		
	1238	110.62	3.0	6.31	20.9	27700	2.4	-223.1	8.3		
	1240	110.62	3.5	6.30	20.9	27700	2.4	-229.9	7.7		
	1243	110.62	4.0	6.29	21.1	27800	2.3	-232.5	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
7-12-23	1245	ACW-09	110.62	6.29	21.1	27800	2.3	-232.5	7.2	Per COC	Per Lab	Lab: Eurofins TA, 2

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

Well Inspection Information

Initials: 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
9/12/23	1315	NP	106.38	0.00	0.00	163.04	160.0	140-160				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
9/12/23	1320	106.51	0.5	6.35	21.5	15,960	3.7	64.2	8.0	Low-flow purge-sample with	Clear
	1323	106.53	1.0	6.41	21.1	16,210	2.8	70.4	6.4	HMI's dedicated bladder pump	"
	1325	106.54	1.5	6.44	20.9	16,520	2.5	73.8	5.1		"
	1328	106.55	2.0	6.47	20.8	16,740	2.4	74.1	3.0		"
	1330	106.55	2.5	6.49	20.7	16,810	2.3	75.6	2.3		"
	1333	106.55	3.0	6.50	20.6	16,860	2.2	76.2	2.1		"
	1335	106.55	3.5	6.51	20.6	16,890	2.2	76.8	2.0		"
	1338	106.55	4.0	6.51	20.6	16,900	2.1	77.1	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
9/12/23	1340	ACW-10	106.55	6.51	20.6	16,900	2.1	77.1	1.9	Per COC	Per Lab	Lab: Eurofins TA, ...

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: ASO
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
9/12/23	1250	NP	105.60	0.00	0.00	161.68	159.7	140-161				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
9/12/23	1255	105.64	0.5	6.55	20.8	38,500	3.5	27.6	9.9	Low-flow purge-sample with HMI's dedicated bladder pump	Clear ↓
	1258	105.69	1.0	6.50	20.8	38,800	3.2	29.4	8.8		
	1300	105.72	1.5	6.51	20.8	38,900	3.0	34.8	6.9		
	1303	105.72	2.0	6.47	20.9	39,900	2.9	42.3	4.7		
	1305	105.74	2.5	6.42	20.9	39,300	2.6	49.9	4.3		
	1308	105.76	3.0	6.38	20.8	39,300	2.4	56.7	3.6		
	1310	105.76	3.5	6.37	20.7	39,400	2.3	59.4	3.3		
	1313	105.76	4.0	6.37	20.7	39,400	2.3	64.2	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
9/12/23	1315	ACW-11	105.76	6.37	20.7	39,400	2.3	64.2	3.0	Per COC	Per Lab	Lab: Eurofins TA, 10/12/23

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: OJO
Well Condition: G000

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
9-12-23	1325	NP	109.38	0.00	0.00	171.93	168.9	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
9-12-23	1330	109.51	0.5	6.67	21.3	9230	2.2	-63.7	8.7	Low-flow purge-sample with	clear
	1333	109.53	1.0	6.63	21.4	8730	2.0	-50.6	8.3	HMI's dedicated bladder pump	
	1335	109.58	1.5	6.60	21.4	8600	1.9	-42.5	7.7		
	1338	109.62	2.0	6.57	21.5	8550	1.8	-37.3	7.2		
	1340	109.65	2.5	6.55	21.7	8530	1.7	-32.6	6.6		
	1343	109.69	3.0	6.54	21.8	8510	1.6	-30.9	6.3		
	1345	109.71	3.5	6.53	21.9	8490	1.5	-26.2	5.5		
	1348	109.73	4.0	6.52	21.9	8480	1.5	-23.8	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
9-12-23	1350	ACW-12	109.73	6.52	21.9	8480	1.5	-23.8	5.1	Per COC	Per Lab	Lab: Eurofins TA, 11/23/2023

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: *OSD*
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
9-12-23	1420	NP	99.35	0.00	0.00	175.62	172.6	153-173				Weather: <i>cloudy 70S</i>

Well Purging Record

**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
9-12-23	1425	99.91	0.5	6.83	21.8	5630	2.3	384.2	12.5	Low-flow purge-sample with HMI's dedicated bladder pump	<i>Clear</i>
	1428	99.93	1.0	6.80	21.9	5400	2.1	308.6	11.7		
	1430	99.96	1.5	6.79	22.1	5380	1.9	276.4	10.9		
	1433	99.99	2.0	6.78	22.2	5370	1.7	253.2	9.8		
	1435	99.52	2.5	6.75	22.3	5320	1.6	246.6	9.3		
	1438	99.56	3.0	6.73	22.4	5300	1.6	239.1	8.7		
	1440	99.60	3.5	6.72	22.5	5290	1.5	235.4	8.2		
	1443	99.62	4.0	6.72	22.6	5270	1.5	232.6	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
9-12-23	1445	ACW-13	99.62	6.72	22.6	5270	1.5	232.6	7.7	Per COC	Per Lab	Lab: Eurofins TA, ...

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: *WPS*
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
9/12/23	1235	NA	100.18	0.00	0.00	176.22	173.2	157-177				Weather: <i>Cloudy, 70's</i>

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
9/12/23	1240	100.29	0.5	7.66	22.1	1267	6.7	37.3	3.2	Low-flow purge-sample with	<i>Clear</i>
	1243	100.33	1.0	6.65	21.2	1193	5.3	74.0	2.4	HMI's dedicated bladder pump	
	1245	100.38	1.5	6.46	20.8	1153	4.9	88.5	1.9		
	1247	100.40	2.0	6.46	20.6	1139	4.3	94.1	1.7		
	1250	100.41	2.5	6.51	20.6	1136	4.1	94.1	2.3		
	1253	100.41	3.0	6.64	20.5	1133	4.0	92.1	2.4		
	1255	100.41	3.5	6.70	20.4	1132	4.1	90.3	1.9		
	1257	100.41	4.0	6.74	20.5	1131	4.1	88.3	1.6		

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
9/12/23	1300	ACW-14	100.41	6.74	20.5	1131	4.1	88.3	1.6	Per COC	Per Lab	Lab: Eurofins TA, ...

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: BS
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
9/12/23	1220	NP	102.19	0.00	0.00	171.57	168.6	150-170				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
9/12/23	1225	102.23	0.5	6.45	21.0	1314	4.3	154.8	9.6	Low-flow purge-sample with	Clear
	1228	102.23	1.0	6.59	20.9	1317	3.8	159.4	7.4	HMI's dedicated bladder pump	11
	1230	102.23	1.5	6.68	20.9	1320	3.6	160.2	5.8		11
	1233	102.23	2.0	6.74	20.8	1322	3.5	160.8	4.5		11
	1235	102.23	2.5	6.79	20.8	1324	3.4	161.0	3.7		11
	1238	102.23	3.0	6.83	20.8	1325	3.3	161.3	3.4		11
	1240	102.23	3.5	6.84	20.8	1325	3.3	161.3	3.3		11
	1243	102.23	4.0	6.85	20.8	1326	3.2	161.4	3.3		11

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
9/12/23	1245	ACW-15	102.23	6.85	20.8	1326	3.2	161.4	3.3	Per COC	Per Lab	Lab: Eurofins TA,

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: *MJS*
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
9-12-23	945	ND	109.38	0.00	0.00	170.94	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
9-12-23	950	109.47	0.5	6.64	21.6	29,500	1.4	-145.7	25.8	Low-flow purge-sample with	clear
	952	109.49	1.0	6.69	21.4	29,500	1.2	-150.1	21.2	HMI's dedicated bladder pump	
	955	109.50	1.5	6.93	21.4	29,600	1.1	-156.9	18.9		
	957	109.51	2.0	7.00	21.3	29,600	1.0	-158.5	14.2		
	1000	109.51	2.5	7.06	21.2	29,700	0.9	-159.9	10.5		
	1002	109.53	3.0	7.09	21.3	29,700	0.8	-160.5	8.2		
	1005	109.54	3.5	7.10	21.3	29,700	0.7	-160.2	7.1		
	1007	109.55	4.0	7.11	21.3	29,700	0.6	-160.5	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
9-12-23	1010	ACW-16	109.55	7.11	21.3	29,700	0.6	-160.5	6.4	Per COC	Per Lab	Lab: Eurofins TA,

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: ASO
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
9/12/23	1216	Np	108.39	0.00	0.00	171.78	169.8	151-171				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
9/12/23	1215	108.47	0.5	7.15	21.1	13,950	2.7	-109.8	11.2	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1218	108.49	1.0	7.9	21.1	14,120	2.3	-121.5	10.7		
	1220	108.50	1.5	7.4	21.0	14,190	2.1	-127.4	8.4		
	1223	108.50	2.0	7.02	21.0	14,250	2.6	-134.1	8.1		
	1225	108.50	2.5	7.02	21.0	14,310	1.7	-139.9	7.4		
	1228	108.51	3.0	7.01	21.1	14,360	1.5	-144.2	6.3		
	1230	108.51	3.5	7.00	21.1	14,440	1.4	-156.5	5.9		
	1233	108.51	4.0	7.00	21.1	14,560	1.4	-159.3	5.7		

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
9/12/23	1235	ACW-17	108.51	7.00	21.1	14,560	1.4	-159.3	5.7	Per COC	Per Lab	Lab: Eurofins TA, .

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: MIS
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
9-12-23	1110	NP	107.33	0.00	0.00	177.20	175.2	160-180				Weather: <u>cloudy 6es</u>

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
9-12-23	1115	107.40	0.5	5.85	20.8	117,100	1.2	-120.7	23.6	Low-flow purge-sample with	clear
	1117	107.47	1.0	6.00	20.8	118,300	1.1	-115.2	20.7	HMI's dedicated bladder pump	
	1120	107.53	1.5	6.15	20.7	118,500	1.0	-105.3	15.2		
	1122	107.59	2.0	6.19	20.7	118,900	1.0	-100.4	10.3		
	1125	107.67	2.5	6.30	20.6	119,000	0.9	-93.7	8.5		
	1127	107.69	3.0	6.40	20.6	119,100	0.8	-88.9	6.3		
✓	1130	107.71	3.5	6.41	20.6	119,100	0.7	-84.1	5.7		
	1132	107.73	4.0	6.42	20.6	119,200	0.6	-80.2	4.6		

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
9-12-23	1135	ACW-18	107.73	6.42	20.6	119,200	0.6	-80.2	4.6	Per COC	Per Lab	Lab: Eurofins TA, 11/14/23

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: ASO
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
9/12/23	1115	NP	106.23	0.00	0.00	121.16	119.2	98-118				Weather: Cloudy 70's

Well Purging Record

*Hinge is broken on well

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
9/12/23	1120	106.29	0.5	7.14	20.3	10,270	3.1	-164.6	9.9	Low-flow purge-sample with	Clear
	1123	106.31	1.0	7.11	20.6	10,690	2.7	-167.8	9.1	HMI's dedicated bladder pump	
	1125	106.31	1.5	7.10	20.6	10,640	2.4	-172.7	8.4		
	1127	106.31	2.0	7.08	20.6	10,410	2.1	-176.8	6.9		
	1130	106.31	2.5	7.08	20.5	10,590	2.0	-179.4	6.4		
	1133	106.31	3.0	7.07	20.4	10,540	1.8	-186.3	6.1		
	1135	106.31	3.5	7.07	20.4	10,470	1.7	-188.2	5.8		
	1137	106.31	4.0	7.07	20.3	10,420	1.7	-193.7	5.4		

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
9/12/23	1140	ACW-19	106.31	7.07	20.3	10,420	1.7	-193.7	5.4	Per COC	Per Lab	Lab: Eurofins TA, ...

+ DUP-03

Monitoring Well Purging and Sampling Record

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

Well: ACW-20

Operator (Jesse)
Used backhoe, w/ HMI direction
to stabilize well pad and prevent
future erosion by placing
soil under/around well pad

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: ASO
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
9/12/23	1035	NP	108.46	0.00	0.00	174.03	172.0	154-174				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
9/12/23	1040	108.57	0.5	6.24	20.5	119,200	2.0	-223.4	8.5	Low-flow purge-sample with	clear
	1043	108.64	1.0	6.32	20.5	119,200	1.9	-227.6	7.0	HMI's dedicated bladder pump	
	1045	108.64	1.5	6.37	20.5	119,700	1.7	-231.7	6.9		
	1048	108.64	2.0	6.45	20.5	119,700	1.7	-234.9	6.6		
	1050	108.64	2.5	6.49	20.5	119,800	1.5	-239.8	6.2		
	1053	108.64	3.0	6.52	20.4	119,800	1.5	-249.6	5.5		
	1055	108.64	3.5	6.52	20.4	119,800	1.5	-256.0	5.1		
	1058	108.64	4.0	6.53	20.3	119,800	1.4	-258.8	4.9		

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
9/12/23	1100	ACW-20	108.64	6.53	20.3	119,700	1.4	-258.8	4.9	Per COC	Per Lab	Lab: Eurofins TA, ...
	900	DUP-03	108.64	6.53	20.3	119,700	1.4	-258.8	4.8	"	"	

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: *ASO*
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
9/12/23	1330	NP	105.67	0.00	0.00	120.52	118.5	98-118				Weather: <i>Cloudy 70°</i>

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
9/12/23	1335	105.74	0.5	7.25	20.8	2,830	3.8	-147.8	8.7	Low-flow purge-sample with	<i>Clarity</i> ↑ ↓
	1338	105.74	1.0	7.21	20.8	2,840	3.4	-152.6	6.4	HMI's dedicated bladder pump	
	1340	105.74	1.5	7.19	20.8	2,470	3.2	-159.9	5.9		
	1343	105.74	2.0	7.18	20.8	2,280	3.1	-163.6	5.3		
	1345	105.74	2.5	7.19	20.8	2,130	2.4	-174.9	4.7		
	1348	105.74	3.0	7.19	20.8	1,940	2.2	-178.3	4.4		
	1350	105.74	3.5	7.18	20.8	1,800	2.1	-183.9	4.1		
	1353	105.74	4.0	7.18	20.8	1,820	2.0	-199.7	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
9/12/23	1355	ACW-21	105.74	7.18	20.8	1,820	2.0	-199.7	3.8	Per COC	Per Lab	Lab: Eurofins TA, ...

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: OSD
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
9-12-23	1130	NP	111.95	0.00	0.00	125.04	123.0	102-122				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
9-12-23	1135	112.01	0.5	7.21	20.8	1760	2.5	-239.6	8.3	Low-flow purge-sample with	Clear
	1138	112.04	1.0	7.17	20.7	2090	2.3	-176.4	8.1	HMI's dedicated bladder pump	
	1140	112.05	1.5	7.16	20.6	2130	2.1	-153.1	7.9		
	1143	112.05	2.0	7.12	20.7	2150	2.0	-127.8	7.8		
	1145	112.05	2.5	7.10	20.8	2170	1.9	-119.4	7.5		
	1148	112.05	3.0	7.03	20.9	2190	1.8	-112.9	7.3		
	1150	112.05	3.5	7.01	20.9	2190	1.7	-110.6	7.2		
	1153	112.05	4.0	6.99	21.1	2200	1.7	-108.7	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
9-12-23	1155	ACW-22	112.05	6.99	21.1	2200	1.7	-108.7	7.1	Per COC	Per Lab	Lab: Eurofins TA, ...

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: **050**
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
9-12-23	1035	N/P	112.01	0.00	0.00	169.71	167.7	147-167				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
9-12-23	1040	112.09	0.5	7.27	20.3	2860	2.6	+135.7	9.3	Low-flow purge-sample with	Clear
	1043	112.09	1.0	7.20	20.5	2740	2.3	+126.3	8.5	HMI's dedicated bladder pump	
	1045	112.09	1.5	7.16	20.7	2700	2.2	+117.5	8.1		
	1048	112.09	2.0	7.12	20.8	2690	2.1	+110.7	7.6		
	1050	112.09	2.5	7.09	20.9	2670	2.0	+107.5	7.2		
	1053	112.09	3.0	7.08	21.1	2630	2.0	+100.6	6.6		
	1055	112.09	3.5	7.03	21.2	2620	1.9	+98.2	6.3		
	1058	112.09	4.0	7.01	21.2	2610	1.8	+93.4	5.7		

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
9-12-23	1100	ACW-23	112.09	7.01	21.2	2610	1.8	+93.4	5.7	Per COC	Per Lab	Lab: Eurofins TA, !

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: *lps*
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
9/12/23	1020	NP	111.02	0.00	0.00	189.12	187.1	106-186				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
9/12/23	1025	111.13	0.5	6.31	21.2	110,800	3.2	59.1	7.7	Low-flow purge-sample with	clear
	1027	111.19	1.0	6.13	21.1	107,800	2.1	52.9	5.6	HMI's dedicated bladder pump	
	1030	111.20	1.5	6.11	21.0	107,700	1.8	44.1	3.1		
	1033	111.21	2.0	6.12	21.0	110,200	1.2	43.1	2.9		
	1035	111.21	2.5	6.12	21.0	111,500	1.1	39.7	2.5		
	1037	111.22	3.0	6.12	20.9	114,600	1.1	38.2	2.2		
	1040	111.22	3.5	6.12	20.9	112,800	1.2	37.7	2.7		
	1043	111.22	4.0	6.11	20.9	112,200	1.2	36.9	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
9/12/23	1045	ACW-24	111.22	6.11	20.9	112,200	1.2	36.9	2.6	Per COC	Per Lab	Lab: Eurofins TA, ...

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: MIS
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
9-12-23	1320	NP	103.25	0.00	0.00	174.68	172.7	151-171				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
9-12-23	1325	103.32	0.5	6.44	20.6	51,200	4.9	-115.5	35.4	Low-flow purge-sample with	Clear
	1327	103.42	1.0	6.41	20.5	52,100	4.3	-94.2	30.1	HMI's dedicated bladder pump	
	1330	103.50	1.5	6.34	20.5	52,500	4.2	-89.5	22.5		
	1332	103.52	2.0	6.40	20.5	52,800	3.9	-75.2	18.7		
	1335	103.52	2.5	6.41	20.5	53,000	3.5	-61.4	16.9		
	1337	103.53	3.0	6.42	20.5	53,100	2.8	-50.2	15.1		
	1340	103.54	3.5	6.43	20.5	53,200	2.7	-48.3	14.2		
	1342	103.55	4.0	6.44	20.5	53,200	2.6	-45.7	13.7		

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
9-12-23	1345	ACW-25	103.55	6.44	20.5	53,200	2.6	-45.7	13.7	Per COC	Per Lab	Lab: Eurofins TA.

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: *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
9/12/23	1015	NF	110.39	0.00	0.00	130.60	125.6	103-128				Weather: <i>cloudy 60's</i>

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
9/12/23	1020	110.39	0.5	7.30	20.5	2325	4.9	-45.6	9.2	Low-flow purge-sample with	<i>Clear</i>
	1023	110.39	1.0	7.28	20.4	2086	3.4	-38.4	7.9	HMI's dedicated bladder pump	"
	1025	110.39	1.5	7.25	20.3	1940	2.9	-30.2	6.0		"
	1028	110.39	2.0	7.23	20.3	1894	2.6	-22.7	5.1		"
	1030	110.39	2.5	7.23	20.3	1872	2.4	-20.4	4.5		"
	1033	110.39	3.0	7.22	20.2	1868	2.3	-19.3	4.2		"
	1035	110.39	3.5	7.21	20.2	1864	2.2	-18.5	3.9		"
	1038	110.39	4.0	7.21	20.2	1861	2.2	-18.1	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
9/12/23	1040	ACW-26	110.39	7.21	20.2	1861	2.2	-18.1	3.7	Per COC	Per Lab	Lab: Eurofins TA, <i>10/12/23</i>

Combo Lock 8008
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: 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
9/12/23	935	NF	110.38	0.00	0.00	177.20	167.2	160-180				Weather: Cloudy 60's

Well Purging Record

(* Double checked 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
9/12/23	940	110.43	0.5	6.78	20.4	3740	3.8	-23.6	7.5	Low-flow purge-sample with	Clean
	943	110.45	1.0	6.87	20.3	3790	3.5	-52.7	6.3	HMI's dedicated bladder pump	"
	945	110.45	1.5	6.92	20.3	3830	3.2	-58.4	5.5		"
	948	110.45	2.0	6.95	20.3	3850	3.1	-60.2	4.9		"
	950	110.45	2.5	6.97	20.3	3860	3.0	-62.8	4.3		"
	953	110.45	3.0	6.98	20.4	3860	3.0	-64.1	3.9		"
	955	110.45	3.5	6.98	20.3	3870	3.0	-64.9	3.6		"
	958	110.45	4.0	6.99	20.3	3870	2.9	-65.2	3.5		"

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
9/12/23	1000	ACW-27	110.45	6.99	20.3	3870	2.9	-65.2	3.5	Per COC	Per Lab	Lab: Eurofins TA, ...

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: 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
9/12/23	1055	NP	109.03	0.00	0.00	128.30	123.3	102-127				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
9/12/23	1100	109.18	0.5	6.93	20.1	561	4.0	89.4	8.2	Low-flow purge-sample with	Clear
	1103	109.20	1.0	6.96	20.1	539	3.8	100.2	7.1	HMI's dedicated bladder pump	"
	1105	109.21	1.5	6.96	20.0	535	3.8	115.4	5.6		"
	1108	109.21	2.0	6.96	20.0	532	3.8	119.4	4.9		"
	1110	109.21	2.5	6.97	20.0	529	3.7	121.3	4.2		"
	1113	109.21	3.0	6.97	19.9	528	3.7	122.9	4.0		"
	1115	109.21	3.5	6.98	19.9	528	3.6	123.7	3.8		"
	1118	109.21	4.0	6.98	19.9	527	3.6	124.2	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
9/12/23	1120	ACW-28	109.21	6.98	19.9	527	3.6	124.2	3.7	Per COC	Per Lab	Lab: Eurofins TA,

+ DUP-04

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: SS
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
9/12/23	1135	NP	108.85	0.00	0.00	176.79	166.8	160-180				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
9/12/23	1140	108.91	0.5	6.85	20.1	647	3.9	144.8	7.1	Low-flow purge-sample with	Clear
	1143	108.94	1.0	6.92	20.0	639	3.4	135.2	5.8	HMI's dedicated bladder pump	"
	1145	108.96	1.5	6.96	19.9	636	3.2	130.8	5.1		"
	1148	108.97	2.0	6.99	19.9	634	3.1	128.4	4.7		"
	1150	108.97	2.5	7.01	19.9	632	3.1	127.2	4.3		"
	1153	108.97	3.0	7.03	19.8	631	3.0	126.8	3.9		"
	1155	108.97	3.5	7.04	19.8	631	2.9	126.1	3.7		"
	1158	108.97	4.0	7.05	19.8	630	2.9	125.7	3.6		"

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
9/12/23	1200	ACW-29	108.97	7.05	19.8	630	2.9	125.7	3.6	Per COC	Per Lab	Lab: Eurofins TA, ...

Monitoring Well Purging and Sampling Record

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

Well: ACW-305

Hydrologic Monitoring
Houston, Texas

Access via cattle guards
located north of wells, along
highway. Then back south
on caliche rd.

Well Inspection Information

Initials: *WDS*
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
9/12/23	835	NP	104.40	0.00	0.00	122.50	117.5	95-120				Weather: <i>Cloudy, 60's</i>

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
9/12/23	840	104.41	0.5	7.80	20.5	758	5.8	79.3	9.7	Low-flow purge-sample with	<i>Clear</i>
	843	104.41	1.0	7.43	20.3	784	5.1	84.5	6.9	HMI's dedicated bladder pump	
	845	104.41	1.5	7.24	20.3	778	4.6	87.6	5.4		
	847	104.41	2.0	7.12	20.2	772	4.5	92.0	5.2		
	850	104.41	2.5	7.09	20.2	769	4.5	93.5	5.1		
	853	104.41	3.0	7.07	20.3	769	4.5	95.4	4.6		
	855	104.41	3.5	7.06	20.2	766	4.4	96.6	4.7		
	857	104.41	4.0	7.05	20.2	764	4.4	97.4	4.4		

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
9/12/23	900	ACW-305	104.41	7.05	20.2	764	4.4	97.4	4.4	Per COC	Per Lab	Lab: Eurofins TA

+ 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: *WDS*
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
9/12/23	920	NP	104.62	0.00	0.00	187.43	177.4	165-185				Weather: <i>cloudy, 60's</i>

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
9/12/23	925	104.86	0.5	6.29	20.3	39,800	3.3	-183.1	9.0	Low-flow purge-sample with	<i>Clear</i>
	927	104.88	1.0	6.25	20.3	39,400	2.0	-182.5	6.2	HMI's dedicated bladder pump	
	930	104.89	1.5	6.25	20.2	39,800	1.6	-192.2	4.3		
	933	104.90	2.0	6.27	20.2	39,900	1.5	-199.4	4.1		
	935	104.90	2.5	6.29	20.1	40,200	1.4	-202.7	3.7		
	937	104.91	3.0	6.30	20.1	40,300	1.4	-205.2	3.7		
	940	104.91	3.5	6.32	20.1	40,300	1.4	-206.2	3.4		
	943	104.91	4.0	6.33	20.1	40,200	1.3	-206.7	3.2		

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
9/12/23	945	ACW-30D	104.91	6.33	20.1	40,200	1.3	-206.7	3.2	Per COC	Per Lab	Lab: Eurofins TA,

+ 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: OSD
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
9-12-23	830	NP	106.98	0-00	0-00	122.33	117.3	95-120				Weather: <u>cloudy 70's</u>

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
9-12-23	835	107.07	0.5	7.96	19.9	3120	3.7	191.9	12.5	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	838	107.10	1.0	7.92	19.8	3070	3.3	127.7	11.7		
	840	107.13	1.5	7.87	20.2	3020	3.2	120.6	10.9		
	843	107.15	2.0	7.83	20.3	2990	3.1	110.8	9.6		
	845	107.17	2.5	7.80	20.5	2970	3.0	107.4	9.3		
	848	107.19	3.0	7.79	20.6	2950	3.0	103.3	8.7		
	850	107.20	3.5	7.78	20.7	2930	2.9	100.6	8.2		
	853	107.21	4.0	7.77	20.8	2920	2.9	98.9	7.6		

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
9-12-23	855	ACW-32S	107.21	7.77	20.8	2920	2.9	98.9	7.6	Per COC	Per Lab	Lab: Eurofins TA, 11/1/24
	900	DUP-01	107.21	7.77	20.8	2920	2.9	98.9	7.6	"	"	

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: *OST*
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
9-12-23	945	<i>NP</i>	<i>106.96</i>	<i>0-00</i>	<i>0-00</i>	<i>172.64</i>	<i>162.6</i>	<i>150-170</i>				Weather: <i>cloudy 70°</i>

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
9-12-23	950	<i>107.03</i>	0.5	<i>8.01</i>	<i>20.6</i>	<i>1450</i>	<i>1.9</i>	<i>210.4</i>	<i>6.6</i>	Low-flow purge-sample with HMI's dedicated bladder pump	<i>clear</i>
	953	<i>107.04</i>	1.0	<i>7.96</i>	<i>20.7</i>	<i>1459</i>	<i>1.7</i>	<i>206.1</i>	<i>6.3</i>		
	955	<i>107.04</i>	1.5	<i>7.89</i>	<i>20.9</i>	<i>1467</i>	<i>1.6</i>	<i>200.9</i>	<i>6.0</i>		
	958	<i>107.05</i>	2.0	<i>7.85</i>	<i>21.7</i>	<i>1476</i>	<i>1.5</i>	<i>192.9</i>	<i>5.7</i>		
	1000	<i>107.05</i>	2.5	<i>7.83</i>	<i>21.5</i>	<i>1483</i>	<i>1.5</i>	<i>187.5</i>	<i>5.5</i>		
	1003	<i>107.06</i>	3.0	<i>7.82</i>	<i>21.2</i>	<i>1489</i>	<i>1.4</i>	<i>183.6</i>	<i>5.3</i>		
	1005	<i>107.06</i>	3.5	<i>7.81</i>	<i>21.1</i>	<i>1496</i>	<i>1.4</i>	<i>180.2</i>	<i>5.2</i>		
	1008	<i>107.06</i>	4.0	<i>7.80</i>	<i>21.0</i>	<i>1503</i>	<i>1.3</i>	<i>176.5</i>	<i>5.0</i>		

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
9-12-23	1010	<i>ACW-32D</i>	<i>107.06</i>	<i>7.80</i>	<i>21.0</i>	<i>1503</i>	<i>1.3</i>	<i>176.5</i>	<i>5.0</i>	Per COC	Per Lab	Lab: Eurofins TA, : <i>10.15.35 AM</i>

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: *POS*
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
9/12/23	1205	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Cloudy, 70's</i>

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
9/12/23	1210	NA	1.0	7.85	28.6	840	3.7	-134.7	6.9	Mr. Doom's water supply well;	<i>clear</i> ↓
	1211	↓	2.0	7.41	22.0	585	2.1	-107.2	6.2	sampled at spigot inside	
	1212	↓	3.0	7.31	21.4	619	2.4	-93.5	5.4	Mr. Doom's shed; purged	
✓	1213	↓	4.0	7.31	21.2	592	2.3	-81.5	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
9/12/23	1215	Doom Well	NA	7.31	21.2	592	2.3	-81.5	5.0	Per COC	Per Lab	Lab: Eurofins TA.

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: MIS
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
9-12-23	910	NP	107.69	0.00	0.00	155.35	150.4	123-148				Weather: cloudy 80s

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
9-12-23	915	107.72	0.5	7.00	21.7	17,690	3.0	-117.3	23.3	Low-flow purge-sample with	Clear
	917	107.73	1.0	6.95	21.6	18,460	3.0	-115.8	20.1	HMI's dedicated bladder pump	
	920	107.74	1.5	6.92	21.6	18,870	2.9	-114.7	18.3		
	922	107.74	2.0	6.90	21.6	19,090	2.8	-105.2	15.2		
	925	107.74	2.5	6.91	21.6	19,220	2.6	-98.7	13.7		
	927	107.74	3.0	6.91	21.6	19,120	2.1	-94.6	10.1		
	930	107.74	3.5	6.90	21.6	18,920	2.0	-94.5	9.8		
	932	107.74	4.0	6.90	21.6	18,700	2.0	-95.2	8.1		

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
9-12-23	935	ENSR-01	107.74	6.90	21.6	18,700	2.0	-95.2	8.1	Per COC	Per Lab	Lab: Eurofins TA,

* Booster Sta Camblock 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: *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
9/12/23	845	NP	109.23	0.00	0.00	163.93	160.9	120-160				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
9/12/23	850	109.25	0.5	7.83	20.6	804	5.1	-29.6	6.4	Low-flow purge-sample with	Clear
	853	109.25	1.0	7.87	20.7	825	4.0	-47.2	5.1	HMI's dedicated bladder pump	"
	855	109.25	1.5	7.89	20.6	831	3.8	-77.8	4.0		"
	858	109.25	2.0	7.90	20.6	836	3.6	-81.6	3.4		"
	900	109.25	2.5	7.91	20.7	838	3.4	-83.4	2.9		"
	903	109.25	3.0	7.91	20.7	841	3.2	-84.6	2.5		"
	905	109.25	3.5	7.92	20.7	843	3.1	-85.3	2.3		"
	908	109.25	4.0	7.92	20.6	844	3.1	-85.9	2.2		"

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
9/12/23	910	EPNG-01	109.25	7.92	20.6	844	3.1	-85.9	2.2	Per COC	Per Lab	Lab: Eurofins TA
(9/12/23)								-85.9				

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: *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
9/12/23	1250	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Cloudy 60's</i>

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
9/12/23	1255	NA	1.0	7.33	24.3	1486	2.1	-128.4	7.4	OXY bldg. water supply well;	<i>Clear</i>
	1256	↓	2.0	7.36	24.6	1438	1.9	-132.7	5.9	sampled at outdoor spigot (to	<i>11</i>
	1257	↓	3.0	7.37	24.7	1401	1.7	-134.8	4.8	right of front door; pliers may be	<i>4</i>
	1258	↓	4.0	7.38	24.8	1389	1.6	-135.3	4.6	needed); purge 4 gal prior to	<i>11</i>
										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
9/12/23	1300	<i>Fmr</i> OXY Well	NA	7.38	24.8	1389	1.6	-135.3	4.6	Per COC	Per Lab	Lab: Eurofins TA, <i>11/23</i>

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: ASO
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
9/12/23	900	NP	107.71	0.00	0.00	136.09	131.1	110-130				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
9/12/23	905	107.77	0.5	6.60	20.8	1870	1.7	-214.7	7.8	Low-flow purge-sample with	Clear
	908	107.77	1.0	6.62	20.8	1742	1.4	-207.6	8.2	HMI's dedicated bladder pump	
	910	107.77	1.5	6.62	20.6	1723	1.3	-197.4	7.9		
	913	107.77	2.0	6.65	20.6	1709	1.0	-190.9	7.4		
	915	107.77	2.5	6.67	20.6	1669	0.9	-185.5	7.0		
	918	107.77	3.0	6.68	20.6	1634	0.8	-182.0	6.5		
	920	107.77	3.5	6.68	20.6	1630	0.8	-178.2	5.9		
	923	107.77	4.0	6.68	20.6	1626	0.7	-174.4	5.3		

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
9/12/23	925	PTP-01	107.77	6.68	20.6	1626	0.7	-174.4	5.3	Per COC	Per Lab	Lab: Eurofins TA, ...

(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: **MIS**
Well Condition: **Good**

[illegible]

Well Purging Record

[illegible]

Well Sampling Record No Sample - Gauge-only

[illegible]

(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: 05D
Well Condition: GOOD

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

No sample; Gauge-only

[illegible]

(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: OSD
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)				Well Condition	Comments
9-12-23	1540	NP	106.24	0.00	0.00	177.69	NA	136.7 -					Weather: Cloudy 705
								176.7					

Well Purging Record

[illegible]

Well Sampling Record

No Sample; Gauge-only

[illegible]

(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: **ASG**
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)					Well Condition: <u>Good</u>
													Comments
9/12/03	1150	NP	108.45	0.00	6.00	176.16	NA	154-174					Weather: <u>Cloudy 70's</u>

Well Purging Record

[illegible]

Well Sampling Record No sample; Gauge-only

[illegible]

Instrument Calibration Log

Hydrologic Monitoring

[illegible]

Eurofins Pensacola

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

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Brian Hillman + HM Team</i>		Lab PM Whitmire, Cheyenne R		ing No(s)		COC No 400-122824-41645 1	
Client Contact Joe Wiley		Phone <i>Scott Wade - 832-347-4521</i>		E-Mail Cheyenne.Whitmire@et.eurofinsus.com		in <i>NM</i>		Page Page 1 of 4	
Company El Paso Energy Corporation		PWSID		Analysis Requested		Job # <i>54</i>		Preservation Codes:	
Address 1001 Louisiana Street Room S1905B		Due Date Requested:		Field Filtered Sample (Yes/No) 9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total 9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total		Total Number of Containers		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
City Houston		TAT Requested (days):				Other:		Special Instructions/Note:	
State, Zip TX, 77002		Compliance Project: ☐ Yes ☐ No							
Phone 713-520-990(Tel) 713-520-680(Fax)		PO #: WD1040015							
Email joe.wiley@kindermorgan.com		WO #: 8_Jal_2Q2023_06.12.2023							
Project Name Jal #4 Gas Plant RWIP <i>(3Q23 = Annual Event for Site)</i>		Project #: 40012867							
Site <i>cc Wallace, Gilmore@qec.com.com</i>		SSOW#:							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
						Preservation Code:			
1 ACW-01		9/12/23		1055		G		Water	
2 ACW-02A				1225				Water	
3 ACW-04				1020				Water	
4 ACW-05				1420				Water	
5 ACW-06				1140				Water	
6 ACW-07				1350				Water	
7 ACW-09				1245				Water	
8 ACW-10				1340				Water	
9 ACW-11				1315				Water	
10 ACW-12				1350				Water	
11 ACW-13				1445				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: <i>FedEx</i>			
Relinquished by <i>[Signature]</i>		Date/Time <i>9/12/23 1520</i>		Company <i>HMI</i>		Received by <i>LB</i>		Date/Time <i>9.13.23 9:20</i>	
Relinquished by <i>[Signature]</i>		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks <i>12.11 4.1, 2.0, 1.6, 3.5, 2.0, 1.0 0.0</i>					

Ver: 06/08/2021

Eurofins Pensacola

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

Chain of Custody Record



Environment Testing

Client Information		Sampler Brown Hillman & HMI Team		Lab PM Whitmire, Cheyenne R		Carrier Tracking No(s)		COC No 400-122824-41645.2															
Client Contact Joe Wiley		Phone Scott Ude - 832-347-4521		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 # 52													
Address 1001 Louisiana Street Room S1905B		Due Date Requested:		Field Number: 9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)													
City: Houston		TAT Requested (days):																					
State, Zip TX, 77002		Compliance Project: ☐ Yes ☐ No																					
Phone 713-520-990(Tel) 713-520-680(Fax)		PO # WD1040015																					
Email joe.wiley@kindermorgan.com		WO # 8_Jal_2Q2023_06.12.2023																					
Project Name Jal #4 Gas Plant RWIP		Project # 40012867																					
Site CC: Wallace, Gilmore@aqcom.com		SSOW#:																					
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 Number: 9056A_ORGFM_28D - Chloride						Total Number of Containers: 1						Special Instructions/Note:	
										Preservation Code													
12 Acw-14		9/12/23		1300		G		Water		✓ ✓ ✓ ✓ ✓ ✓													
13 Acw-15				1245				Water		✓ ✓ ✓ ✓ ✓ ✓													
14 Acw-16				1010				Water		✓ ✓ ✓ ✓ ✓ ✓													
15 Acw-17				1235				Water		✓ ✓ ✓ ✓ ✓ ✓													
16 Acw-18				1135				Water		✓ ✓ ✓ ✓ ✓ ✓													
17 Acw-19				1140				Water		✓ ✓ ✓ ✓ ✓ ✓													
18 Acw-20				1100				Water		✓ ✓ ✓ ✓ ✓ ✓													
19 Acw-21				1355				Water		✓ ✓ ✓ ✓ ✓ ✓													
20 Acw-22				1155				Water		✓ ✓ ✓ ✓ ✓ ✓													
21 Acw-23				1100				Water		✓ ✓ ✓ ✓ ✓ ✓													
22 Acw-24		↓		1045		↓		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: FedEx											
Relinquished by: [Signature]				Date/Time: 9/12/23 1520				Company: HMI				Received by: [Signature]				Date/Time: 9.13.23 9:20				Company:			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																			

Ver: 06/08/2021

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

Chain of Custody Record



Environment Testing

Client Information		Sampler Brian Hillin + HMI Team		Lab PM Whitmire, Cheyenne R		Carrier Tracking No(s) 400-122824-41645.4	
Client Contact Joe Wiley		Phone Scott Ude - 832-347-4521		E-Mail Cheyenne.Whitmire@et.eurofinsus.com		State of Origin NM	
Company El Paso Energy Corporation		PWSID.		Analysis Requested			
Address 1001 Louisiana Street Room S1905B		Due Date Requested:		Field Filtered Sample (Yes/No) 9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total Total Number Originals Here			
City Houston		TAT Requested (days):					
State, Zip TX, 77002		Compliance Project: ☐ Yes ☐ No					
Phone 713-520-990(Tel) 713-520-680(Fax)		PO # WD1040015					
Email joe.wiley@kindermorgan.com		WO # 8_Jal_2Q2023_06 12.2023					
Project Name Jal #4 Gas Plant RWIP		Project # 40012867		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)			
Site cc: Wallace, Gilmore @ aecom, com		SSOW#					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Special Instructions/Note:	
				Preservation Code			
PTP-01		9/12/23	925	G	Water		
DOOM Well			1215		Water		
Fmr OXY Well			1300		Water		
DUP-01			900		Water		
DUP-02			1200		Water		
DUP-03			900		Water		
DUP-04			1000		Water		
TB-01			-		Water		
					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: FedEX	
Relinquished by:		Date/Time: 9/12/23 1520		Company: HMI		Received by: Date/Time: 9.13.23 9:20	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks			



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 ☒ XNo ☐

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

Consultant: AECOM

ARF Initiator Name: Wally Gilmore

Date: 9/5/2023

Scope of Sampling: Quarterly Groundwater Sampling (3Q2023)

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

Email invoice to KM Project Manager

Invoice in Ariba

Invoice Consultant

Non-Remediation Dept. Sampling

Sample Event Description and
Contaminants of Concern

3rd Quarter 2023 -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:

9/12/2023

Anticipated Completion Date:

9/12/2023

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

Houston, 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	<u>X</u>	Hard Copy	_____	Other - Specify _____
	Excel	<u>X</u>	Equis	_____	
Size Limitation of deliverable for e-mail:	10	<u>MB</u>	Unlimited	_____	
Forward the Electronic Data Deliverables to:		Contact Name		E-Mail Address	
Company					
<u>AECOM</u>		<u>Wally Gilmore</u>		<u>wallace.gilmore@aecom.com</u>	
_____		_____		_____	
_____		_____		_____	
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 <u>XXX</u>
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:	<u>Wally Gilmore</u>	Date:	<u>9/5/2023</u>
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: _____

Ship Bottles to:		Shipping Return:	
Company	HMI	FedEx	UPS
Contact Name	Scott Ude	Sample Crew Drop Samples at Laboratory	Laboratory Courier
Location Name			Other - Specify:
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		9/7/2023 cob	

Additional Requests and Instructions

Additional Requests and Instructions	
	Please have sampling kits and return shipping labels delivered to HMI by September 7, 2023.

Phone Logs and Project Correspondence

[illegible]

**Hydrologic Monitoring**

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

Phone 713.464.5206

Fax 713.464.5207

MEMORANDUM

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

 Ricardo R Franco 2 @ 11 11 505-240-7204
 Jesse J Moore 6 @ MARATHON PETROLEUM.com 575-725-1797/432-257-9687
Luis 575-605-0149



Hydrologic Monitoring

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

Phone 713.464.5206

Fax 713.464.5207

December 6, 2023

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

Subject: 4Q23 Groundwater Monitoring, November 30, 2023
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.

We have received information that at least some of the groundwater at Jal may contain H₂S. Your staff needs to be aware of that, but the reason for my communication is to request that the annual groundwater sample event be conducted in September, and a quarterly event conducted in December. We want to include H₂S analysis in this event for all site wells and I need that information as soon as possible. Please let me know if this can be accommodated. Thanks,

Joseph (Joe) Wiley
EHS Remediation Project Manager
713-420-3475
Cell: 832-279-1610
1001 Louisiana Street | Room 1445B, Houston, TX 77002



Contents

Field Activities Narrative

Table 1: Gauging Data and Groundwater Field Parameters, November 30, 2023

Groundwater Sampling Forms and Field Instrument Calibration Record

Chain-of-Custody Form

ARF

Groundwater Sampling SOP

Pre-Mobilization Site Notification

Field Activities Narrative

1. In 2017, HMI equipped the sample well network with HMI-owned dedicated bladder pumps to increase both 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. The large event was requested to be conducted in 3Q23, however generally, the 4Q scope includes sitewide gauging and sampling of ~36 wells, per AECOM's ARF. Quarter 1, Quarter 2, and Quarter 3 scope includes sitewide gauging, with limited groundwater sampling (i.e., ACW-13, 14, 15, Doom Well & Fmr Oxy Well).
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 3 Events:
Dup-01 @ ACW-13 (all analytes)
(No field blanks requested per ARF)
Trip Blank-01 (BTEX)

Quarter 4 Event (this is the large event, conducted in 3Q in 2023):

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

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

7. A WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC in Texas, with New Mexico Environment Department (NMED) approval, to safely evaporate investigation derived waste (IDW) purgewater generated during environmental groundwater monitoring activities in Jal, New Mexico. The 55-gallon steel drum is fitted with a WINDCRUSHER™ *ventilated barrel cover*, with the drum-and-top assembly supported a few inches off of the base on a poly overpack secondary containment barrel, to keep it out of potential temporary rainwater. The entire assembly is positioned on a wooden pallet, and is strapped to a steel rail “cage” near RW-2 (E-side of Hwy). IDW purgewater has been evaporating “24/7”, since 2020. Previous purgewater (35 gal after the 3Q23 event) had evaporated down to 16 gallons upon arrival. Four (4) gal purgewater was added at the completion of the 4Q23 event (20 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.



No precipitation-water was observed between the steel drum and the overpack, 4Q23



20 gal IDW purgewater total after 4Q23

Site notes:

Since 2Q22, HMI to notify a contact below, in advance of planned daily activities at Jal #4 Gas Plant - plant is closed - onsite personnel cannot not be expected.

Jesse Moore, 575-725-1797 / 432-257-9687; jmoore6@marathonpetroleum.com, or

Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com.

Per site reps 1Q23, 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).

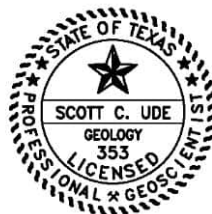
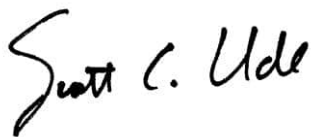
Monitor well lock keys are maintained with HMI files.

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

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on December 6, 2023.

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

November 30, 2023 *(note that the large "annual" event for 2023 was conducted in 3Q not 4Q, per El Paso)*

Well I.D.	1-3Q23	1-3Q23	4Q23	4Q23	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
	#	#	#	#																					
	Wells Sampled	Wells Gauged	Wells Sampled	Wells Gauged																					
ACW-01		1	1		Yes	3,302.15	NP	105.23	0.00	0.00	3,196.92	30.22	135.45	1.9	110-130	130.5	4" PVC	8.41	20.4	21,200	0.8	-219.9	6.8	Clear	ORP confirmed
ACW-02A		2	2		Yes	3,302.16	NP	105.53	0.00	0.00	3,196.63	19.96	125.49	2.0	98-118	120.5	4" PVC	7.65	21.1	13,260	0.6	-272.7	10.7	Clear	
ACW-03		3		1	No	3,301.62	NP	105.16	0.00	0.00	3,196.46	29.96	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	107.06	0.00	0.00	3,194.99	64.04	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	103.15	0.00	0.00	3,194.03	14.22	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	107.29	0.00	0.00	3,195.55	15.34	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	103.34	0.00	0.00	3,196.20	56.57	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	110.25	0.00	0.00	3,194.44	52.23	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	106.45	0.00	0.00	3,193.37	56.59	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	105.71	0.00	0.00	3,195.93	55.97	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	109.34	0.00	0.00	3,192.46	62.59	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	99.33	0.00	0.00	3,192.39	76.29	175.62	2.0	153-173	172.6	4" PVC	6.53	20.0	5,210	2.4	337.9	4.9	Clear	Dup-01 @ ACW-13 (all analytes)
ACW-14	2		12		Yes	3,294.74	NP	100.25	0.00	0.00	3,194.49	75.97	176.22	2.0	157-177	173.2	4" PVC	6.84	20.4	1,512	4.3	59.9	2.2	Clear	
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	6.35	19.0	1,574	3.6	147.2	3.6	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.24	0.00	0.00	3,198.65	67.70	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	108.38	0.00	0.00	3,197.79	63.40	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	107.32	0.00	0.00	3,195.83	69.88	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	106.40	0.00	0.00	3,196.28	14.76	121.16	2.2	98-118	119.2	4" PVC	7.07	20.3	10,420	1.7	-193.7	5.4	Clear	
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	105.79	0.00	0.00	3,196.03	14.73	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	111.92	0.00	0.00	3,194.32	13.12	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	111.93	0.00	0.00	3,194.36	57.78	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	111.18	0.00	0.00	3,194.38	77.94	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	110.37	0.00	0.00	3,198.90	20.23	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	110.35	0.00	0.00	3,198.87	66.85	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	109.00	0.00	0.00	3,197.49	19.30	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	108.83	0.00	0.00	3,197.52	67.96	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	104.44	0.00	0.00	3,195.73	18.06	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	104.72	0.00	0.00	3,195.43	82.71	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) Dup-01 @ ACW-32S (all analytes)
ACW-32S		28	30		Yes	3,299.60	NP	106.92	0.00	0.00	3,192.68	15.41	122.33	2.5	95-120	117.3	3" PVC	7.77	20.8	2,920	2.9	98.9	7.6	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.93	0.00	0.00	3,192.68	65.71	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	7.52	17.4	626	2.4	-56.2	5.6	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.62	0.00	0.00	3,199.09	47.73	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	107.09	0.00	0.00	3,197.96	48.01	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	7.40	16.5	1,444	1.8	-53.8	4.1	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.68	0.00	0.00	3,197.99	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	105.53	0.00	0.00	3,196.63	76.10	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.31	0.00	0.00	3,194.40	64.34	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		36		7	No	3,303.26	NP	108.53	0.00	0.00	3,194.73	67.63	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 November 30, 2023
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

+ 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
11/30/23	930	NP	99.33	0.00	0.00	175.62	172.6	153-173				Weather: pt/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
11/30/23	935	99.38	0.5	6.79	20.1	4910	3.9	355.1	6.8	Low-flow purge-sample with	clear
	937	99.40	1.0	6.70	20.1	4980	3.6	350.8	6.5	HMI's dedicated bladder pump	
	940	99.42	1.5	6.64	20.1	5090	3.4	346.7	5.9		
	943	99.44	2.0	6.62	20.1	5150	3.2	344.2	5.5		
	945	99.46	2.5	6.58	20.0	5170	2.7	340.1	5.3		
	947	99.47	3.0	6.56	20.0	5190	2.5	338.6	4.7		
	950	99.48	3.5	6.54	20.0	5200	2.4	338.1	4.8		
	953	99.49	4.0	6.53	20.0	5210	2.4	337.9	4.9		

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
11/30/23	955	ACW-13	99.49	6.53	20.0	5210	2.4	337.9	4.9	Per COC	Per Lab	Lab: Eurofins TA.
	1000	DUP-01	99.49	6.53	20.0	5210	2.4	337.9	4.9	per COC	"	

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
11/30/23	1120	119	100.35	0.00	0.00	176.22	173.2	157-177				Weather: pt/cloudy windy 50'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
11/30/23	1125	100.35	0.5	7.55	20.6	1630	6.1	78.6	3.6	Low-flow purge-sample with	clear
	1127	100.40	1.0	7.24	20.5	1754	5.2	69.2	3.4	HMI's dedicated bladder pump	
	1130	100.44	1.5	7.14	20.5	1704	4.8	63.0	3.1		
	1133	100.46	2.0	6.93	20.4	1518	4.7	63.9	2.9		
	1135	100.47	2.5	6.89	20.4	1516	4.6	62.9	2.6		
	1137	100.47	3.0	6.88	20.4	1515	4.5	61.2	2.4		
	1140	100.47	3.5	6.86	20.4	1513	4.4	60.8	2.2		
	1143	100.47	4.0	6.84	20.4	1512	4.3	59.9	2.2		

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
11/30/23	1145	ACW-14	100.47	6.84	20.4	1512	4.3	59.9	2.2	Per COC	Per Lab	Lab: Eurofins TA, L. 12/1/23

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
11/30/23	830	NR	102.22	0.00	0.00	171.57	168.6	150-170				Weather: pt/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
11/30/23	835	102.27	0.5	6.58	18.5	1653	4.8	136.4	7.8	Low-flow purge-sample with	Clear
	837	102.27	1.0	6.49	18.6	1651	4.6	137.7	7.0	HMI's dedicated bladder pump	
	840	102.27	1.5	6.40	18.8	1582	4.4	140.9	6.4		
	843	102.27	2.0	6.38	19.0	1580	4.0	142.7	6.2		
	845	102.27	2.5	6.37	19.0	1577	3.9	143.6	5.3		
	847	102.27	3.0	6.36	19.0	1576	3.7	145.1	4.4		
	850	102.27	3.5	6.35	19.0	1575	3.6	146.8	3.8		
	853	102.27	4.0	6.35	19.0	1574	3.6	147.2	3.6		

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
11/30/23	855	ACW-15	102.27	6.35	19.0	1574	3.6	147.2	3.6	Per COC	Per Lab	Lab: Eurofins TA, etc.

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:

Well Condition:

OTD/ISTD

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
11/30/23	830	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 40° 15

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
11/30/23	835	NA	1.0	7.86	16.3	416	4.2	-40.6	8.6	Mr. Doom's water supply well;	Clear
	836		2.0	7.60	16.9	665	2.7	-49.8	7.0	sampled at spigot inside	11
	837		3.0	7.54	17.3	631	2.5	-54.3	5.8	Mr. Doom's shed; purged	11
	838		4.0	7.52	17.4	626	2.4	-56.2	5.6	4 gal prior to sampling	11

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
11/30/23	840	Doom Well	NA	7.52	17.4	626	2.4	-56.2	5.6	Per COC	Per Lab	Lab: Eurofins TA, ...

Monitoring Well Purging and Sampling Record

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

Well: OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OSD/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
3/23	905	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 40°

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
3/23	910	NA	1.0	7.49	13.5	1535	2.4	-27.8	6.1	OXY bldg. water supply well;	Clear
	911	↓	2.0	7.43	15.9	1498	2.1	-42.7	4.9	sampled at outdoor spigot (to	11
	912	↓	3.0	7.41	16.3	1463	1.9	-50.3	4.4	right of front door; pliers may be	11
	913	↓	4.0	7.40	15.5	1444	1.8	-53.8	4.1	needed); purge 4 gal prior to	11
										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
3/23	915	OXY Well	NA	7.40	16.5	1444	1.8	-53.8	4.1	Per COC	Per Lab	Lab: Eurofins TA, ...

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
3/23/23	0830	4.01/7.00	1,000	100%	10.0	241.1	CLS
3-23-23	0833	4.01/7.00	1,000	100%	10.0	237.4	BL
3-23-23	0835	4.01/7.00	1,000	100%	10.0	235.4	ASO
6/20/23	0800	4.01/7.00	1,000	100%	10.0	251.2	TAB
6-20-23	0810	4.01/7.00	1,000	100%	10.0	227.6	BRH
6-20-23	0815	4.01/7.00	1,000	100%	10.0	217.6	ASO
9/12/23	0805	4.01/7.00	1,000	100%	10.0	240.9	CLS
9/12/23	0807	4.01/7.00	1,000	100%	10.0	243.1	CLS
9/12/23	0810	4.01/7.00	1,000	100%	10.0	229.7	ASO
9/12/23	0813	4.01/7.00	1,000	100%	10.0	243.6	BS
9/12/23	0815	4.01/7.00	1,000	100%	10.0	237.2	OSD
11/30/23	0800	4.01/7.00	1,000	100%	10.0	248.8	TAB
11/30/23	0805	4.01/7.00	1,000	100%	10.0	246.7	BS

eurofins | Environment Testing

Tracking No(s):	COC No: 400-124576-42643.1
Place of Origin: NM	Page: Page 1 of 1
	Job #:

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: 11/16/2023

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

Email invoice to KM Project Manager

Invoice in Ariba

Invoice Consultant

Non-Remediation Dept. Sampling

Sample Event Description and
Contaminants of Concern

4th Quarter 2023 -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:

11/30/2023

Anticipated Completion Date:

11/30/2023

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

Houston, 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 Package Deliverables supplied to:	Wally Gilmore - AECOM		
Required Data Deliverables Format(s):	PDF ☒	Hard Copy ☐	Other - Specify
	Excel ☒	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 ☒
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: 11/16/2023
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

[illegible]

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)

Other - Specify Retention Time

Additional Requests and Instructions	
Please have sampling kits and return shipping labels delivered to HMI by November, 21, 2023.	

[illegible]

**Hydrologic Monitoring**

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

Phone 713.464.5206

Fax 713.464.5207

MEMORANDUM

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

 Ricardo RFranco2 @ 11 11 505-240-7204
 Jesse JMoore6 @ MARATHON PETROLEUM.com 575-725-1797/432-257-9687
Luis 575-605-0149

Appendix C

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Generated 4/17/2023 1:19:03 PM

JOB DESCRIPTION

Jal #4 Gas Plant 1Q23

JOB NUMBER

400-235011-1

Eurofins Pensacola

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

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



Generated
4/17/2023 1:19:03 PM

Authorized for release by
Isabel Enfinger, Project Manager I
isabel.enfinger@et.eurofinsus.com
Designee for
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Laboratory Job ID: 400-235011-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Job ID: 400-235011-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-235011-1

Comments

No additional comments.

Receipt

The samples were received on 3/24/2023 8:55 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 1.7° C.

GC/MS VOA

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

HPLC/IC

Method 9056: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-620041 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-235011-1), ACW-14 (400-235011-2), ACW-15 (400-235011-3), OXY WELL (400-235011-5) and DUP-01 (400-235011-6). 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.

Metals

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

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-618631 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.

VOA Prep

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: ACW-13

Lab Sample ID: 400-235011-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1600		100	12	mg/L	100		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5.4		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3700		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-235011-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		10	1.2	mg/L	10		9056	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	660		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-235011-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	300		10	1.2	mg/L	10		9056	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	900		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-235011-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	36		1.0	0.12	mg/L	1		9056	Total/NA
Sodium	65		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	620		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	460		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL

Lab Sample ID: 400-235011-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00070	J	0.0010	0.00013	mg/L	1		8260D	Total/NA
Chloride	250		10	1.2	mg/L	10		9056	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	250		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	800		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-235011-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		50	6.0	mg/L	50		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010D	Total/NA
Total Dissolved Solids	3400		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-235011-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
9056	Anions, Ion Chromatography	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3010A	Preparation, Total Metals	SW846	EET PEN
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 PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235011-1	ACW-13	Water	03/23/23 10:15	03/24/23 08:55
400-235011-2	ACW-14	Water	03/23/23 12:50	03/24/23 08:55
400-235011-3	ACW-15	Water	03/23/23 11:25	03/24/23 08:55
400-235011-4	DOOM WELL	Water	03/23/23 11:00	03/24/23 08:55
400-235011-5	OXY WELL	Water	03/23/23 10:20	03/24/23 08:55
400-235011-6	DUP-01	Water	03/23/23 09:00	03/24/23 08:55
400-235011-7	TRIP BLANK-01	Water	03/23/23 12:00	03/24/23 08:55

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Client Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Client Sample ID: ACW-13

Lab Sample ID: 400-235011-1

Date Collected: 03/23/23 10:15

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 15:55	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 15:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 15:55	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 15:55	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119					04/03/23 15:55	1
Dibromofluoromethane	101		75 - 126					04/03/23 15:55	1
Toluene-d8 (Surr)	104		64 - 132					04/03/23 15:55	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		100	12	mg/L			04/11/23 22:58	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5.4		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	3700		25	25	mg/L			03/27/23 14:17	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Client Sample ID: ACW-14

Lab Sample ID: 400-235011-2

Date Collected: 03/23/23 12:50

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 19:02	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 19:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 19:02	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					04/03/23 19:02	1
Dibromofluoromethane	98		75 - 126					04/03/23 19:02	1
Toluene-d8 (Surr)	107		64 - 132					04/03/23 19:02	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		10	1.2	mg/L			04/08/23 03:08	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1200		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	660		5.0	5.0	mg/L			03/27/23 14:17	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: ACW-15

Lab Sample ID: 400-235011-3

Date Collected: 03/23/23 11:25

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 19:23	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 19:23	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 19:23	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 119					04/03/23 19:23	1
Dibromofluoromethane	99		75 - 126					04/03/23 19:23	1
Toluene-d8 (Surr)	106		64 - 132					04/03/23 19:23	1
Method: SW846 9056 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		10	1.2	mg/L			04/08/23 03:31	10
Method: SW846 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 11:49	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1400		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	900		10	10	mg/L			03/27/23 14:17	1

Client Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Client Sample ID: DOOM WELL

Lab Sample ID: 400-235011-4

Date Collected: 03/23/23 11:00

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 19:44	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 19:44	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 19:44	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 19:44	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 119					04/03/23 19:44	1
Dibromofluoromethane	99		75 - 126					04/03/23 19:44	1
Toluene-d8 (Surr)	105		64 - 132					04/03/23 19:44	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36		1.0	0.12	mg/L			04/08/23 03:54	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	65		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	620		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	460		5.0	5.0	mg/L			03/27/23 14:17	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Client Sample ID: OXY WELL

Lab Sample ID: 400-235011-5

Date Collected: 03/23/23 10:20

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00070	J	0.0010	0.00013	mg/L			04/03/23 20:05	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 20:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 20:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		04/03/23 20:05	1
Dibromofluoromethane	99		75 - 126		04/03/23 20:05	1
Toluene-d8 (Surr)	104		64 - 132		04/03/23 20:05	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10	1.2	mg/L			04/08/23 05:02	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	250		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	800		10	10	mg/L			03/27/23 14:17	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: DUP-01

Lab Sample ID: 400-235011-6

Date Collected: 03/23/23 09:00

Matrix: Water

Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 20:25	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 20:25	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 20:25	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 119					04/03/23 20:25	1
Dibromofluoromethane	98		75 - 126					04/03/23 20:25	1
Toluene-d8 (Surr)	108		64 - 132					04/03/23 20:25	1
Method: SW846 9056 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	6.0	mg/L			04/08/23 05:25	50
Method: SW846 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 12:05	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	<5.0		5.0	5.0	umhos/cm			03/30/23 16:44	1
Total Dissolved Solids (SM 2540C)	3400		25	25	mg/L			03/29/23 15:01	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: TRIP BLANK-01 Lab Sample ID: 400-235011-7
Date Collected: 03/23/23 12:00 Matrix: Water
Date Received: 03/24/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 18:42	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 18:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 18:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					04/03/23 18:42	1
Dibromofluoromethane	96		75 - 126					04/03/23 18:42	1
Toluene-d8 (Surr)	103		64 - 132					04/03/23 18:42	1

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

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.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

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

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Water****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	TOL
		(72-119)	(75-126)	(64-132)
400-235011-1	ACW-13	99	101	104
400-235011-1 MS	ACW-13	96	108	99
400-235011-1 MSD	ACW-13	102	101	103
400-235011-2	ACW-14	111	98	107
400-235011-3	ACW-15	107	99	106
400-235011-4	DOOM WELL	107	99	105
400-235011-5	OXY WELL	106	99	104
400-235011-6	DUP-01	104	98	108
400-235011-7	TRIP BLANK-01	111	96	103
LCS 400-619179/1002	Lab Control Sample	96	103	103
MB 400-619179/4	Method Blank	111	98	109

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: ACW-13

Date Collected: 03/23/23 10:15

Date Received: 03/24/23 08:55

Lab Sample ID: 400-235011-1

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	619179	04/03/23 15:55	AGW	EET PEN
Total/NA	Analysis	9056		100	10 mL	10 mL	620460	04/11/23 22:58	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 11:29	LSS	EET PEN
Total/NA	Analysis	120.1		1			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

Client Sample ID: ACW-14

Date Collected: 03/23/23 12:50

Date Received: 03/24/23 08:55

Lab Sample ID: 400-235011-2

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	619179	04/03/23 19:02	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	620041	04/08/23 03:08	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 11:44	LSS	EET PEN
Total/NA	Analysis	120.1		1			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

Client Sample ID: ACW-15

Date Collected: 03/23/23 11:25

Date Received: 03/24/23 08:55

Lab Sample ID: 400-235011-3

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	619179	04/03/23 19:23	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	620041	04/08/23 03:31	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 11:49	LSS	EET PEN
Total/NA	Analysis	120.1		1			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

Client Sample ID: DOOM WELL

Date Collected: 03/23/23 11:00

Date Received: 03/24/23 08:55

Lab Sample ID: 400-235011-4

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	619179	04/03/23 19:44	AGW	EET PEN
Total/NA	Analysis	9056		1	10 mL	10 mL	620041	04/08/23 03:54	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 11:55	LSS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-235011-4

Date Collected: 03/23/23 11:00

Matrix: Water

Date Received: 03/24/23 08:55

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			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

Client Sample ID: OXY WELL

Lab Sample ID: 400-235011-5

Date Collected: 03/23/23 10:20

Matrix: Water

Date Received: 03/24/23 08:55

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	619179	04/03/23 20:05	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	620041	04/08/23 05:02	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 12:00	LSS	EET PEN
Total/NA	Analysis	120.1		1			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-235011-6

Date Collected: 03/23/23 09:00

Matrix: Water

Date Received: 03/24/23 08:55

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	619179	04/03/23 20:25	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	620041	04/08/23 05:25	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29 ¹		
Total/NA	Analysis	6010D		1			619884	04/06/23 12:05	LSS	EET PEN
Total/NA	Analysis	120.1		1			618841	03/30/23 16:44	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	618631	03/29/23 15:01	VB	EET PEN

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-235011-7

Date Collected: 03/23/23 12:00

Matrix: Water

Date Received: 03/24/23 08:55

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	619179	04/03/23 18:42	AGW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-618255/1

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	618255	03/27/23 14:17	VB	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-618631/1

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	618631	03/29/23 15:01	VB	EET PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-618841/1

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	120.1		1			618841	03/30/23 16:44	CAC	EET PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-619179/4

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	619179	04/03/23 18:21	AGW	EET PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-619274/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29		
Total/NA	Analysis	6010D		1			619884	04/06/23 09:56	LSS	EET PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-620041/63

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	9056		1	10 mL	10 mL	620041	04/08/23 00:27	RS	EET PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-620460/5

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	9056		1	10 mL	10 mL	620460	04/11/23 19:32	RS	EET PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A

Date Received: N/A

Lab Sample ID: LCS 400-618255/2

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	SM 2540C		1	50 mL	50 mL	618255	03/27/23 14:17	VB	EET PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-618631/2

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	618631	03/29/23 15:01	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-618841/2

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			618841	03/30/23 16:44	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-619179/1002

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	619179	04/03/23 14:15	AGW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-619274/2-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/NA	Prep	3010A			50 mL	50 mL	619274	04/03/23 13:01	CJK	EET PEN
							Completed:	04/03/23 19:29		
Total/NA	Analysis	6010D		1			619884	04/06/23 10:02	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-620041/67

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	9056		1	10 mL	10 mL	620041	04/08/23 00:50	RS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-620460/6

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	9056		1	10 mL	10 mL	620460	04/11/23 19:55	RS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-620041/68

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	9056		1	10 mL	10 mL	620041	04/08/23 01:13	RS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-620460/7

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	9056		1	10 mL	10 mL	620460	04/11/23 20:18	RS	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-235011-1 MS

Date Collected: 03/23/23 10:15

Matrix: Water

Date Received: 03/24/23 08:55

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	619179	04/03/23 16:37	AGW	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-235011-1 MSD

Date Collected: 03/23/23 10:15

Matrix: Water

Date Received: 03/24/23 08:55

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	619179	04/03/23 17:39	AGW	EET PEN

Client Sample ID: OXY WELL

Lab Sample ID: 400-235011-5 DU

Date Collected: 03/23/23 10:20

Matrix: Water

Date Received: 03/24/23 08:55

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			618841	03/30/23 16:44	CAC	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-235011-6 DU

Date Collected: 03/23/23 09:00

Matrix: Water

Date Received: 03/24/23 08:55

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	10 mL	50 mL	618631	03/29/23 15:01	VB	EET PEN

¹ Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

GC/MS VOA

Analysis Batch: 619179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	8260D	
400-235011-2	ACW-14	Total/NA	Water	8260D	
400-235011-3	ACW-15	Total/NA	Water	8260D	
400-235011-4	DOOM WELL	Total/NA	Water	8260D	
400-235011-5	OXY WELL	Total/NA	Water	8260D	
400-235011-6	DUP-01	Total/NA	Water	8260D	
400-235011-7	TRIP BLANK-01	Total/NA	Water	8260D	
MB 400-619179/4	Method Blank	Total/NA	Water	8260D	
LCS 400-619179/1002	Lab Control Sample	Total/NA	Water	8260D	
400-235011-1 MS	ACW-13	Total/NA	Water	8260D	
400-235011-1 MSD	ACW-13	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 620041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-2	ACW-14	Total/NA	Water	9056	
400-235011-3	ACW-15	Total/NA	Water	9056	
400-235011-4	DOOM WELL	Total/NA	Water	9056	
400-235011-5	OXY WELL	Total/NA	Water	9056	
400-235011-6	DUP-01	Total/NA	Water	9056	
MB 400-620041/63	Method Blank	Total/NA	Water	9056	
LCS 400-620041/67	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-620041/68	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 620460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	9056	
MB 400-620460/5	Method Blank	Total/NA	Water	9056	
LCS 400-620460/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-620460/7	Lab Control Sample Dup	Total/NA	Water	9056	

Metals

Prep Batch: 619274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	3010A	
400-235011-2	ACW-14	Total/NA	Water	3010A	
400-235011-3	ACW-15	Total/NA	Water	3010A	
400-235011-4	DOOM WELL	Total/NA	Water	3010A	
400-235011-5	OXY WELL	Total/NA	Water	3010A	
400-235011-6	DUP-01	Total/NA	Water	3010A	
MB 400-619274/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-619274/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 619884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	6010D	619274
400-235011-2	ACW-14	Total/NA	Water	6010D	619274
400-235011-3	ACW-15	Total/NA	Water	6010D	619274
400-235011-4	DOOM WELL	Total/NA	Water	6010D	619274
400-235011-5	OXY WELL	Total/NA	Water	6010D	619274

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Metals (Continued)

Analysis Batch: 619884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-6	DUP-01	Total/NA	Water	6010D	619274
MB 400-619274/1-A	Method Blank	Total/NA	Water	6010D	619274
LCS 400-619274/2-A	Lab Control Sample	Total/NA	Water	6010D	619274

General Chemistry

Analysis Batch: 618255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	SM 2540C	
400-235011-2	ACW-14	Total/NA	Water	SM 2540C	
400-235011-3	ACW-15	Total/NA	Water	SM 2540C	
400-235011-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-235011-5	OXY WELL	Total/NA	Water	SM 2540C	
MB 400-618255/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-618255/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 618631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-618631/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-618631/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235011-6 DU	DUP-01	Total/NA	Water	SM 2540C	

Analysis Batch: 618841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235011-1	ACW-13	Total/NA	Water	120.1	
400-235011-2	ACW-14	Total/NA	Water	120.1	
400-235011-3	ACW-15	Total/NA	Water	120.1	
400-235011-4	DOOM WELL	Total/NA	Water	120.1	
400-235011-5	OXY WELL	Total/NA	Water	120.1	
400-235011-6	DUP-01	Total/NA	Water	120.1	
MB 400-618841/1	Method Blank	Total/NA	Water	120.1	
LCS 400-618841/2	Lab Control Sample	Total/NA	Water	120.1	
400-235011-5 DU	OXY WELL	Total/NA	Water	120.1	

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-619179/4

Matrix: Water

Analysis Batch: 619179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/03/23 18:21	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/03/23 18:21	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/03/23 18:21	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/03/23 18:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119		04/03/23 18:21	1
Dibromofluoromethane	98		75 - 126		04/03/23 18:21	1
Toluene-d8 (Surr)	109		64 - 132		04/03/23 18:21	1

Lab Sample ID: LCS 400-619179/1002

Matrix: Water

Analysis Batch: 619179

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	0.0511		mg/L		102	70 - 130
Toluene	0.0500	0.0499		mg/L		100	70 - 130
Ethylbenzene	0.0500	0.0511		mg/L		102	70 - 130
Xylenes, Total	0.100	0.101		mg/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		72 - 119
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Lab Sample ID: 400-235011-1 MS

Matrix: Water

Analysis Batch: 619179

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	<0.00013		0.0500	0.0518		mg/L		104	56 - 142
Toluene	<0.00041		0.0500	0.0492		mg/L		98	65 - 130
Ethylbenzene	<0.00050		0.0500	0.0476		mg/L		95	58 - 131
Xylenes, Total	<0.0016		0.100	0.0937		mg/L		94	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	96		72 - 119
Dibromofluoromethane	108		75 - 126
Toluene-d8 (Surr)	99		64 - 132

Lab Sample ID: 400-235011-1 MSD

Matrix: Water

Analysis Batch: 619179

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	<0.00013		0.0500	0.0552		mg/L		110	56 - 142	6	30
Toluene	<0.00041		0.0500	0.0537		mg/L		107	65 - 130	9	30
Ethylbenzene	<0.00050		0.0500	0.0540		mg/L		108	58 - 131	13	30

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-235011-1 MSD

Client Sample ID: ACW-13

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 619179

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	0.106		mg/L		106	59 - 130	12	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	102		72 - 119								
Dibromofluoromethane	101		75 - 126								
Toluene-d8 (Surr)	103		64 - 132								

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-620041/63

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			04/08/23 00:27	1

Lab Sample ID: LCS 400-620041/67

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620041

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 400-620041/68

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620041

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.83		mg/L		98	90 - 110	4	15

Lab Sample ID: MB 400-620460/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			04/11/23 19:32	1

Lab Sample ID: LCS 400-620460/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	10.0	9.83		mg/L		98	90 - 110			

Lab Sample ID: LCSD 400-620460/7

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 620460

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.96		mg/L		100	90 - 110	1	15

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-235011-1

Project/Site: Jal #4 Gas Plant 1Q23

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-619274/1-A

Matrix: Water

Analysis Batch: 619884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 619274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		04/03/23 13:01	04/06/23 09:56	1

Lab Sample ID: LCS 400-619274/2-A

Matrix: Water

Analysis Batch: 619884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 619274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	9.91		mg/L		99	80 - 120

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-618841/1

Matrix: Water

Analysis Batch: 618841

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			03/30/23 16:44	1

Lab Sample ID: LCS 400-618841/2

Matrix: Water

Analysis Batch: 618841

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	9.84		umhos/cm		98	98 - 102

Lab Sample ID: 400-235011-5 DU

Matrix: Water

Analysis Batch: 618841

Client Sample ID: OXY WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	250		249		umhos/cm		0.1	2

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-618255/1

Matrix: Water

Analysis Batch: 618255

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			03/27/23 14:17	1

Lab Sample ID: LCS 400-618255/2

Matrix: Water

Analysis Batch: 618255

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	306		mg/L		104	78 - 122

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q23

Job ID: 400-235011-1

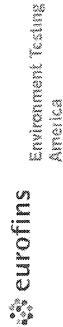
Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 400-618631/1 Matrix: Water Analysis Batch: 618631										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			03/29/23 15:01	1		

Lab Sample ID: LCS 400-618631/2 Matrix: Water Analysis Batch: 618631										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	348		mg/L		119	78 - 122		

Lab Sample ID: 400-235011-6 DU Matrix: Water Analysis Batch: 618631										Client Sample ID: DUP-01 Prep Type: Total/NA	
Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D		RPD	RPD Limit	
Total Dissolved Solids	3400			3640	F3	mg/L			7	5	

Chain of Custody Record



Client Information		Sampler: Scott UAC + H2O T600		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s):		COC No: 400-109141-36074.1	
Client Contact: Mr. Seethide Wallace Gilmore		Phone: 832-347-4521		E-Mail: Cheyenne.Whitmire@Eurofinset.com		State of Origin: NM		Page: Page 1 of 1	
Company: Hydrologic-Monitoring AELCOM		PWSID:		Due Date Requested:		Analysis Requested		Job #:	
Address: 4654 W Belt N 19219 Katy Frey, Ste 100		TAT Requested (days):		Compliance Project: Δ Yes Δ No		Field Filtered Sample (Yes or No)		Preservation Codes:	
City: Houston		State, Zip: TX, 77043-77094		PO #: WD801914		Perform MS/MSD (Yes or No)		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 P - Na2O4S Q - Na2SO3 R - NaHSO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 743-520-9900(Tel) 743-520-680(Fax)		Email: wallace.gilmore@aelcom.com		Project #: 40012867		Field Filtered Sample (Yes or No)		Other:	
Jail #4 Gas Plant		SSOW#:		Sample Date		Sample Time		Sample Type (C=Comp, G=grab) BT=Tissue, A=Air	
Site:		Sample Identification		Sample Date		Sample Time		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
ACW-13		3/23/23		1015		G		Water	
ACW-14		1230		1105		G		Water	
ACW-15		1100		1020		G		Water	
Doom well		900		-		G		Water	
Oxy well		-		-		G		Water	
Dup-01		-		-		G		Water	
TRIP BLANK -01		-		-		G		Water	
Total Number of containers		Total Number of containers		Total Number of containers		Total Number of containers		Total Number of containers	
Special Instructions/Note:		Special Instructions/Note:		Special Instructions/Note:		Special Instructions/Note:		Special Instructions/Note:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Return To Client		Return To Client		Return To Client		Return To Client		Return To Client	
Disposal By Lab		Disposal By Lab		Disposal By Lab		Disposal By Lab		Disposal By Lab	
Archive For		Archive For		Archive For		Archive For		Archive For	
Months		Months		Months		Months		Months	
Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Empty Kit Relinquished by:		Empty Kit Relinquished by:		Empty Kit Relinquished by:		Empty Kit Relinquished by:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Date/Time:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Company:		Company:		Company:		Company:		Company:	
Custody Seals Intact:		Custody Seals Intact:		Custody Seals Intact:		Custody Seals Intact:		Custody Seals Intact:	
Δ Yes Δ No		Δ Yes Δ No		Δ Yes Δ No		Δ Yes Δ No		Δ Yes Δ No	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-235011-1

Login Number: 235011

List Source: Eurofins Pensacola

List Number: 1

Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	1.7°C IR11
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 $<6\text{mm}$ (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 1Q23

Job ID: 400-235011-1

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-23
Texas	NELAP	T104704286	09-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
120.1		Water	Specific Conductance
SM 2540C		Water	Total Dissolved Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

**Kinder Morgan Jal #4 Gas Plant
Groundwater Monitoring
Data Validation Report**

Sample Delivery Group: 400-235011-1

Sampling Date: March 23, 2023

Data Reviewer: Jamie Herman

Peer Reviewer: Brian Rothmeyer

Date Completed: February 1, 2024

Date Completed: January 25, 2022

The table below summarizes the results presented in this data package.

Sample Identification	Sample Type	Laboratory Identification	Matrix	Analyses		
				VOCs (8260D)	Metals (6010D)	General Chemistry
ACW-13	SA	400-235011-1	Water	X	X	X
ACW-14	SA	400-235011-2	Water	X	X	X
ACW-15	SA	400-235011-3	Water	X	X	X
DOOM WELL	SA	400-235011-4	Water	X	X	X
OXY WELL	SA	400-235011-5	Water	X	X	X
DUP-01	FD	400-235011-6	Water	X	X	X
TRIP BLANK-01	TB	400-235011-7	Water	X	--	--

Sample Type: FD – Field Duplicate
TB – Trip Blank

SA – Sample
-- – Not Analyzed

Analyses: General Chemistry – Anions (9056): Chloride, Specific Conductivity (120.1), Total Dissolved Solids (SM2540C)
Metals (6010D) – Sodium
VOCs – Volatile Organic Compounds (8260D): Benzene, Ethylbenzene, Toluene, Total Xylenes

This report contains the final results of the data validation conducted for samples collected at the Jal #4 Gas Plant. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*; *USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020)*; method requirements, and laboratory criteria, where applicable.

General Overall Assessment:

- ☐ Data are usable without qualification.
- ☒ Data are usable with qualification (noted below and summarized in Attachment A).
- ☐ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: With the following exception, the case narrative comments concerning data qualification were noted and are evaluated in the table below.

Trace level detections, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J lq).

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Environment Testing in Pensacola, Florida in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of $\leq 6^{\circ}\text{C}$. Data qualification was not necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method or calibration

Review Parameter	Criteria Met?	Comments
		blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate ACW-13 (VOCs) • Laboratory Duplicate OXY WELL (Conductivity) DUP-01 (TDS)	No	Matrix Spike/Matrix Spike Duplicate (MS/MSD) The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. Laboratory Duplicate With the exception listed in in Table 1, the comparison between results of the parent sample and laboratory duplicate met the criteria listed below. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by an RPD meeting laboratory limits. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <1xRL.
Laboratory Performance • Laboratory Control Sample	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • Surrogates	Yes	Surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • Trip Blank TRIP BLANK-01 • Field Duplicate ACW-13/DUP-01	Yes	Trip Blank (Volatile Organic Compounds) Target analytes were not detected in the trip blank. Field Duplicate The following concentration dependent criteria were used to evaluate field duplicates: • If one or both results were $\leq 5x$ the RL, then the absolute difference between the results should agree within $\pm 2xRL$. • If both results were $\geq 5xRL$, then the RPD should be $\leq 30\%$. The field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	Yes	No sample results were reported as non-detect at an elevated RL/MDL.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
 °C – Degrees Celsius
 > – Greater Than
 ≥ – Greater Than or Equal To
 ≤ – Less Than or Equal To
 ± – Plus or Minus
 COC – Chain of Custody
 J – Estimated

LCS – Laboratory Control Sample
 LCSD – Laboratory Control Sample Duplicate
 lq – Trace value
 MS/MSD – Matrix Spike/Matrix Spike Duplicate
 RPDs – Relative Percent Differences
 RL – Sample Reporting Limit
 VOCs – Volatile Organic Compounds

Table 1: Laboratory Duplicate Outliers and Resultant Data Qualification

Field Sample/ Laboratory Duplicate	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD	Qualification
General Chemistry					
DUP-01	TDS	3400	3640	7 (5)	As laboratory duplicate was reported outside of control limits, the associated result was qualified as estimated (J ld).

mg/L – Milligrams per Liter

% – Percent

RPD – Relative Percent Difference

Qualifiers

J – Estimated

Reason Codes

ld – Laboratory duplicate RPD outside of control limits.



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094
Generated 7/10/2023 12:44:27 PM

JOB DESCRIPTION

Jal #4 Gas Plant

JOB NUMBER

400-239516-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514



Eurofins Pensacola

Job Notes

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Authorization



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Client: AECOM
Project/Site: Jal #4 Gas Plant

Laboratory Job ID: 400-239516-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Job ID: 400-239516-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-239516-1

Comments

No additional comments.

Receipt

The samples were received on 6/22/2023 9:10 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 11.2° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria:. This does not meet regulatory requirements.

GC/MS VOA

Method 8260D: Surrogate recovery for the following sample was outside the upper control limit: ACW-13 (400-239516-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-630398 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 9056A: The following samples were diluted due to conductivity: ACW-13 (400-239516-1), ACW-14 (400-239516-2), ACW-15 (400-239516-3), OXY WELL (400-239516-5), DUP-01 (400-239516-6), (400-239516-E-1 MS) and (400-239516-E-1 MSD). Elevated reporting limits (RL) are provided.

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

Metals

Method 6010D: The post digestion spike % recovery associated with batch 400-631760 was outside of control limits. The associated sample is: (400-239707-B-1-B PDS).

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

General Chemistry

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

VOA Prep

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: ACW-13

Lab Sample ID: 400-239516-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1400	F1	50	6.0	mg/L	50		9056A	Total/NA
Sodium	230		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5900		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5400		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-239516-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		10	1.2	mg/L	10		9056A	Total/NA
Sodium	130		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2000		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-239516-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	280		20	2.4	mg/L	20		9056A	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	960		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-239516-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28		1.0	0.12	mg/L	1		9056A	Total/NA
Sodium	70		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	600		5.0	5.0	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: OXY WELL

Lab Sample ID: 400-239516-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00073	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	220		10	1.2	mg/L	10		9056A	Total/NA
Sodium	140		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	880		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-239516-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1400		50	6.0	mg/L	50		9056A	Total/NA
Sodium	240		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5700		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6200		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-239516-7

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: 400-239516-1

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 PEN
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3010A	Preparation, Total Metals	SW846	EET PEN
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 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: 400-239516-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-239516-1	ACW-13	Water	06/20/23 08:55	06/22/23 09:10
400-239516-2	ACW-14	Water	06/20/23 10:50	06/22/23 09:10
400-239516-3	ACW-15	Water	06/20/23 09:55	06/22/23 09:10
400-239516-4	DOOM WELL	Water	06/20/23 09:40	06/22/23 09:10
400-239516-5	OXY WELL	Water	06/20/23 09:00	06/22/23 09:10
400-239516-6	DUP-01	Water	06/20/23 08:00	06/22/23 09:10
400-239516-7	TRIP BLANK	Water	06/20/23 12:00	06/22/23 09:10



Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: ACW-13

Lab Sample ID: 400-239516-1

Date Collected: 06/20/23 08:55

Matrix: Water

Date Received: 06/22/23 09:10

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			06/29/23 21:44	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/29/23 21:44	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/29/23 21:44	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/29/23 21:44	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 130					06/29/23 21:44	1
Dibromofluoromethane	141	S1+	75 - 126					06/29/23 21:44	1
Toluene-d8 (Surr)	98		64 - 132					06/29/23 21:44	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400	F1	50	6.0	mg/L			06/23/23 13:10	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	230		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5900		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	5400		50	50	mg/L			06/24/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: ACW-14

Lab Sample ID: 400-239516-2

Date Collected: 06/20/23 10:50

Matrix: Water

Date Received: 06/22/23 09:10

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			06/29/23 22:09	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/29/23 22:09	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/29/23 22:09	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/29/23 22:09	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 130					06/29/23 22:09	1
Dibromofluoromethane	106		75 - 126					06/29/23 22:09	1
Toluene-d8 (Surr)	98		64 - 132					06/29/23 22:09	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		10	1.2	mg/L			06/23/23 16:09	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	130		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1300		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	2000		10	10	mg/L			06/24/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: ACW-15

Lab Sample ID: 400-239516-3

Date Collected: 06/20/23 09:55

Matrix: Water

Date Received: 06/22/23 09:10

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			06/29/23 22:34	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/29/23 22:34	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/29/23 22:34	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/29/23 22:34	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 130					06/29/23 22:34	1
Dibromofluoromethane	126		75 - 126					06/29/23 22:34	1
Toluene-d8 (Surr)	95		64 - 132					06/29/23 22:34	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		20	2.4	mg/L			06/23/23 16:29	20

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1500		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	960		10	10	mg/L			06/24/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-239516-4

Date Collected: 06/20/23 09:40

Matrix: Water

Date Received: 06/22/23 09:10

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			06/30/23 18:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/30/23 18:05	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/30/23 18:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/30/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130					06/30/23 18:05	1
Dibromofluoromethane	110		75 - 126					06/30/23 18:05	1
Toluene-d8 (Surr)	96		64 - 132					06/30/23 18:05	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28		1.0	0.12	mg/L			06/23/23 18:47	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	70		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	600		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	390		5.0	5.0	mg/L			06/24/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: OXY WELL

Lab Sample ID: 400-239516-5

Date Collected: 06/20/23 09:00

Matrix: Water

Date Received: 06/22/23 09:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00073	J	0.0010	0.00050	mg/L			06/30/23 18:25	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/30/23 18:25	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/30/23 18:25	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/30/23 18:25	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130					06/30/23 18:25	1
Dibromofluoromethane	111		75 - 126					06/30/23 18:25	1
Toluene-d8 (Surr)	97		64 - 132					06/30/23 18:25	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		10	1.2	mg/L			06/23/23 17:48	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	140		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1500		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	880		10	10	mg/L			06/24/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: DUP-01
Date Collected: 06/20/23 08:00
Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-6
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			06/30/23 18:45	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/30/23 18:45	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/30/23 18:45	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/30/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130					06/30/23 18:45	1
Dibromofluoromethane	112		75 - 126					06/30/23 18:45	1
Toluene-d8 (Surr)	97		64 - 132					06/30/23 18:45	1
Method: SW846 9056A - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	6.0	mg/L			06/23/23 15:29	50
Method: SW846 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	240		2.0	0.92	mg/L		06/29/23 12:59	07/04/23 09:44	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5700		5.0	5.0	umhos/cm			06/28/23 10:55	1
Total Dissolved Solids (SM 2540C)	6200		50	50	mg/L			06/24/23 09:10	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: TRIP BLANK
Date Collected: 06/20/23 12:00
Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-7
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			06/29/23 18:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/29/23 18:28	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/29/23 18:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/29/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	72		72 - 130					06/29/23 18:28	1
Dibromofluoromethane	102		75 - 126					06/29/23 18:28	1
Toluene-d8 (Surr)	100		64 - 132					06/29/23 18:28	1

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

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.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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: 400-239516-1

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Water****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	TOL
		(72-130)	(75-126)	(64-132)
400-239516-1	ACW-13	92	141 S1+	98
400-239516-2	ACW-14	96	106	98
400-239516-3	ACW-15	96	126	95
400-239516-4	DOOM WELL	88	110	96
400-239516-5	OXY WELL	88	111	97
400-239516-6	DUP-01	86	112	97
400-239516-7	TRIP BLANK	72	102	100
LCS 400-631323/1002	Lab Control Sample	90	102	100
LCS 400-631578/1002	Lab Control Sample	91	92	100
MB 400-631323/4	Method Blank	97	105	99
MB 400-631578/4	Method Blank	86	112	97

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: ACW-13

Date Collected: 06/20/23 08:55

Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-1

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	631323	06/29/23 21:44	JE	EET PEN
Total/NA	Analysis	9056A		50	10 mL	10 mL	630398	06/23/23 13:10	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:18	LSS	EET PEN
Total/NA	Analysis	120.1		1			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: ACW-14

Date Collected: 06/20/23 10:50

Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-2

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	631323	06/29/23 22:09	JE	EET PEN
Total/NA	Analysis	9056A		10	10 mL	10 mL	630398	06/23/23 16:09	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:22	LSS	EET PEN
Total/NA	Analysis	120.1		1			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: ACW-15

Date Collected: 06/20/23 09:55

Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-3

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	631323	06/29/23 22:34	JE	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	630398	06/23/23 16:29	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:25	LSS	EET PEN
Total/NA	Analysis	120.1		1			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: DOOM WELL

Date Collected: 06/20/23 09:40

Date Received: 06/22/23 09:10

Lab Sample ID: 400-239516-4

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	631578	06/30/23 18:05	AGW	EET PEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	630398	06/23/23 18:47	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:36	LSS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-239516-4

Date Collected: 06/20/23 09:40

Matrix: Water

Date Received: 06/22/23 09:10

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			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: OXY WELL

Lab Sample ID: 400-239516-5

Date Collected: 06/20/23 09:00

Matrix: Water

Date Received: 06/22/23 09:10

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	631578	06/30/23 18:25	AGW	EET PEN
Total/NA	Analysis	9056A		10	10 mL	10 mL	630398	06/23/23 17:48	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:40	LSS	EET PEN
Total/NA	Analysis	120.1		1			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-239516-6

Date Collected: 06/20/23 08:00

Matrix: Water

Date Received: 06/22/23 09:10

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	631578	06/30/23 18:45	AGW	EET PEN
Total/NA	Analysis	9056A		50	10 mL	10 mL	630398	06/23/23 15:29	RS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	631335	06/29/23 12:59	KWN	EET PEN
							Completed:	06/29/23 17:36 ¹		
Total/NA	Analysis	6010D		1			631882	07/04/23 09:44	LSS	EET PEN
Total/NA	Analysis	120.1		1			631170	06/28/23 10:55	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-239516-7

Date Collected: 06/20/23 12:00

Matrix: Water

Date Received: 06/22/23 09:10

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	631323	06/29/23 18:28	JE	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-630398/41

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	630398	06/23/23 19:07	RS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-630620/1****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	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-631170/1****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	120.1		1			631170	06/28/23 10:55	CAC	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-631323/4****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	631323	06/29/23 12:50	JE	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-631578/4****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	631578	06/30/23 11:54	AGW	EET PEN

Client Sample ID: Lab Control Sample**Date Collected: N/A****Date Received: N/A****Lab Sample ID: LCS 400-630398/43****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	10 mL	10 mL	630398	06/23/23 19:27	RS	EET PEN

Client Sample ID: Lab Control Sample**Date Collected: N/A****Date Received: N/A****Lab Sample ID: LCS 400-630620/2****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	SM 2540C		1	50 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: Lab Control Sample**Date Collected: N/A****Date Received: N/A****Lab Sample ID: LCS 400-631170/2****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	120.1		1			631170	06/28/23 10:55	CAC	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-631323/1002

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	631323	06/29/23 11:33	JE	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-631578/1002

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	631578	06/30/23 10:47	AGW	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-630398/42

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	630398	06/23/23 19:47	RS	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-239516-1 MS

Date Collected: 06/20/23 08:55

Matrix: Water

Date Received: 06/22/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		50	10 mL	10 mL	630398	06/23/23 13:30	RS	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-239516-1 MSD

Date Collected: 06/20/23 08:55

Matrix: Water

Date Received: 06/22/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		50	10 mL	10 mL	630398	06/23/23 13:50	RS	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-239516-1 DU

Date Collected: 06/20/23 08:55

Matrix: Water

Date Received: 06/22/23 09:10

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	5 mL	50 mL	630620	06/24/23 09:10	HA	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-239516-6 DU

Date Collected: 06/20/23 08:00

Matrix: Water

Date Received: 06/22/23 09:10

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			631170	06/28/23 10:55	CAC	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

- 1
- 2
- 3
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- 14
- 15

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

GC/MS VOA

Analysis Batch: 631323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	8260D	
400-239516-2	ACW-14	Total/NA	Water	8260D	
400-239516-3	ACW-15	Total/NA	Water	8260D	
400-239516-7	TRIP BLANK	Total/NA	Water	8260D	
MB 400-631323/4	Method Blank	Total/NA	Water	8260D	
LCS 400-631323/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 631578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-4	DOOM WELL	Total/NA	Water	8260D	
400-239516-5	OXY WELL	Total/NA	Water	8260D	
400-239516-6	DUP-01	Total/NA	Water	8260D	
MB 400-631578/4	Method Blank	Total/NA	Water	8260D	
LCS 400-631578/1002	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 630398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	9056A	
400-239516-2	ACW-14	Total/NA	Water	9056A	
400-239516-3	ACW-15	Total/NA	Water	9056A	
400-239516-4	DOOM WELL	Total/NA	Water	9056A	
400-239516-5	OXY WELL	Total/NA	Water	9056A	
400-239516-6	DUP-01	Total/NA	Water	9056A	
MB 400-630398/41	Method Blank	Total/NA	Water	9056A	
LCS 400-630398/43	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-630398/42	Lab Control Sample Dup	Total/NA	Water	9056A	
400-239516-1 MS	ACW-13	Total/NA	Water	9056A	
400-239516-1 MSD	ACW-13	Total/NA	Water	9056A	

Metals

Prep Batch: 631335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	3010A	
400-239516-2	ACW-14	Total/NA	Water	3010A	
400-239516-3	ACW-15	Total/NA	Water	3010A	
400-239516-4	DOOM WELL	Total/NA	Water	3010A	
400-239516-5	OXY WELL	Total/NA	Water	3010A	
400-239516-6	DUP-01	Total/NA	Water	3010A	

Analysis Batch: 631882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	6010D	631335
400-239516-2	ACW-14	Total/NA	Water	6010D	631335
400-239516-3	ACW-15	Total/NA	Water	6010D	631335
400-239516-4	DOOM WELL	Total/NA	Water	6010D	631335
400-239516-5	OXY WELL	Total/NA	Water	6010D	631335
400-239516-6	DUP-01	Total/NA	Water	6010D	631335

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

General Chemistry

Analysis Batch: 630620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	SM 2540C	
400-239516-2	ACW-14	Total/NA	Water	SM 2540C	
400-239516-3	ACW-15	Total/NA	Water	SM 2540C	
400-239516-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-239516-5	OXY WELL	Total/NA	Water	SM 2540C	
400-239516-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-630620/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-630620/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-239516-1 DU	ACW-13	Total/NA	Water	SM 2540C	

Analysis Batch: 631170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-239516-1	ACW-13	Total/NA	Water	120.1	
400-239516-2	ACW-14	Total/NA	Water	120.1	
400-239516-3	ACW-15	Total/NA	Water	120.1	
400-239516-4	DOOM WELL	Total/NA	Water	120.1	
400-239516-5	OXY WELL	Total/NA	Water	120.1	
400-239516-6	DUP-01	Total/NA	Water	120.1	
MB 400-631170/1	Method Blank	Total/NA	Water	120.1	
LCS 400-631170/2	Lab Control Sample	Total/NA	Water	120.1	
400-239516-6 DU	DUP-01	Total/NA	Water	120.1	

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-631323/4

Matrix: Water

Analysis Batch: 631323

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			06/29/23 12:50	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/29/23 12:50	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/29/23 12:50	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/29/23 12:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 130		06/29/23 12:50	1
Dibromofluoromethane	105		75 - 126		06/29/23 12:50	1
Toluene-d8 (Surr)	99		64 - 132		06/29/23 12:50	1

Lab Sample ID: LCS 400-631323/1002

Matrix: Water

Analysis Batch: 631323

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	0.0510		mg/L		102	70 - 130
Ethylbenzene	0.0500	0.0557		mg/L		111	70 - 130
Toluene	0.0500	0.0563		mg/L		113	70 - 130
Xylenes, Total	0.100	0.112		mg/L		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		72 - 130
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Lab Sample ID: MB 400-631578/4

Matrix: Water

Analysis Batch: 631578

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			06/30/23 11:54	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/30/23 11:54	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/30/23 11:54	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/30/23 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130		06/30/23 11:54	1
Dibromofluoromethane	112		75 - 126		06/30/23 11:54	1
Toluene-d8 (Surr)	97		64 - 132		06/30/23 11:54	1

Lab Sample ID: LCS 400-631578/1002

Matrix: Water

Analysis Batch: 631578

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	0.0522		mg/L		104	70 - 130
Toluene	0.0500	0.0543		mg/L		109	70 - 130

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-631578/1002

Matrix: Water

Analysis Batch: 631578

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	0.101		mg/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	91		72 - 130
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-630398/41

Matrix: Water

Analysis Batch: 630398

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			06/23/23 19:07	1

Lab Sample ID: LCS 400-630398/43

Matrix: Water

Analysis Batch: 630398

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	9.86		mg/L		99	90 - 110

Lab Sample ID: LCSD 400-630398/42

Matrix: Water

Analysis Batch: 630398

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	9.81		mg/L		98	90 - 110	1	15

Lab Sample ID: 400-239516-1 MS

Matrix: Water

Analysis Batch: 630398

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
Chloride	1400	F1	500	1730	F1	mg/L		62	80 - 120

Lab Sample ID: 400-239516-1 MSD

Matrix: Water

Analysis Batch: 630398

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
Chloride	1400	F1	500	1720	F1	mg/L		61	80 - 120	0	20

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-239516-1

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-631170/1

Matrix: Water

Analysis Batch: 631170

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			06/28/23 10:55	1

Lab Sample ID: LCS 400-631170/2

Matrix: Water

Analysis Batch: 631170

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

Lab Sample ID: 400-239516-6 DU

Matrix: Water

Analysis Batch: 631170

Client Sample ID: DUP-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	5700		5350		umhos/cm		7	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-630620/1

Matrix: Water

Analysis Batch: 630620

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			06/24/23 09:10	1

Lab Sample ID: LCS 400-630620/2

Matrix: Water

Analysis Batch: 630620

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	296		mg/L		101	78 - 122

Lab Sample ID: 400-239516-1 DU

Matrix: Water

Analysis Batch: 630620

Client Sample ID: ACW-13

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	5400		5400		mg/L		0	5

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3355 McLemore Drive

Pensacola, FL 32514

Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

6339 6592 6884 eurofins

Environment Testing

Client Information Client Contact: Joe Wiley Company: El Paso Energy Corporation Address: 1001 Louisiana Street Room S1905B City: Houston State, Zip: TX, 77002 Phone: 713-520-9900(Tel) 713-520-680(Fax) Email: joe.wiley@kindermorgan.com Project Name: Jai #4 Gas Plant RWIP Site:		Sampler: Joe Wiley Phone: 713-653-3127 PWSID:		Lab PM: Whitmire, Cheyenne R E-Mail: Cheyenne.Whitmire@et.eurofins.com		Carrier Tracking No(s): 400-121342-41645.1 State of Origin: NM Page: Page 1 of 1 Job #:		COC No: 400-121342-41645.1	
Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: 8_Jul_202023_06.12.2023 Project #: 40012867 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 Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		Total Number of Containers:		Special Instructions/Note:	
Sample Identification ACW -13 ACW -14 ACW -15 Doom well Oxy well DUP-01 Trip Blank		Sample Date 6-20-23 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
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Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
Sample Date 6-20-23 1050 955 940 900 800 —		Sample Time 855 1050 955 940 900 800 —		Sample Type G-grab G —		Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water		Field Filtered Sample (Yes/No) N N N N N N N N	
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Sample Date 6-20-23 1050 955 940 900 800 —									

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-239516-1

Login Number: 239516

List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	11.2°C IR11
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
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: 400-239516-1

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	09-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
120.1		Water	Specific Conductance
SM 2540C		Water	Total Dissolved Solids

**Kinder Morgan Jal #4 Gas Plant
Groundwater Monitoring
Data Validation Report**

Sample Delivery Group: 400-239516-1

Sampling Date: June 20, 2023

Data Reviewer: Jamie Herman

Peer Reviewer: Cathy Larson

Date Completed: February 1, 2024

Date Completed: February 5, 2024

The table below summarizes the results presented in this data package.

Sample Identification	Sample Type	Laboratory Identification	Matrix	Analyses		
				VOCs (8260D)	Metals (6010D)	General Chemistry
ACW-13	SA	400-239516-1	Water	X	X	X
ACW-14	SA	400-239516-2	Water	X	X	X
ACW-15	SA	400-239516-3	Water	X	X	X
DOOM WELL	SA	400-239516-4	Water	X	X	X
OXY WELL	SA	400-239516-5	Water	X	X	X
DUP-01	FD	400-239516-6	Water	X	X	X
TRIP BLANK	TB	400-239516-7	Water	X	--	--

Sample Type: FD – Field Duplicate
TB – Trip Blank

SA – Sample
-- – Not Analyzed

Analyses: General Chemistry – Anions (9056): Chloride, Specific Conductivity (120.1), Total Dissolved Solids (SM2540C)
Metals (6010D) – Sodium
VOCs – Volatile Organic Compounds (8260D): Benzene, Ethylbenzene, Toluene, Total Xylenes

This report contains the final results of the data validation conducted for samples collected at the Jal #4 Gas Plant. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*; *USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020)*; method requirements, and laboratory criteria, where applicable.

General Overall Assessment:

- ☐ Data are usable without qualification.
- ☒ Data are usable with qualification (noted below and summarized in Attachment A).
- ☐ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: With the following exception, the case narrative comments concerning data qualification were noted and are evaluated in the table below.

Trace level detections, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J lq).

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	No	The samples were received by Eurofins Environment Testing in Pensacola, Florida in good condition and accompanied by a chain of custody (COC). The cooler temperature upon receipt was outside the acceptable criterion of $\leq 6^{\circ}\text{C}$ (11.2°C). Therefore, the associated sample results were qualified as estimated due to temperature exceedance, dependent on the method criteria below: - Volatile Organic compound (VOC) results were qualified as estimated

Review Parameter	Criteria Met?	Comments
		(J/UJ). - General Chemistry results were qualified as estimated (J-). - Due to the stability of the metals parameters, data qualification on the basis of temperature exceedance is not considered necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected in the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate ACW-13 (Chloride) • Laboratory Duplicate DUP-01 (Specific Conductivity) ACW-13 (TDS)	No	Matrix Spike/Matrix Spike Duplicate (MS/MSD) With the exception listed in Table 1, the MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. Laboratory Duplicate The comparison between results of the parent sample and laboratory duplicate met the laboratory criteria.
Laboratory Performance • Laboratory Control Sample	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS/LCSD recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • Surrogates (VOCs)	No	With the exception listed in Table 2, the surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • Trip Blank TRIP BLANK • Field Duplicate ACW-13/DUP-01	Yes	Trip Blank (Volatile Organic Compounds) Target analytes were not detected in the trip blank. Field Duplicate The following concentration dependent criteria were used to evaluate field duplicates: • If one or both results were $\leq 5x$ the RL, then the absolute difference between the results should agree within $\pm 2xRL$. • If both results were $\geq 5xRL$, then the RPD should be $\leq 30\%$. The field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	Yes	No sample results were reported as non-detect at an elevated RL/MDL.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
 °C – Degrees Celsius
 > – Greater Than
 ≥ – Greater Than or Equal To
 ≤ – Less Than or Equal To
 ± – Plus or Minus
 COC – Chain of Custody
 J – Estimated
 J- - Estimated, bias low
 LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate
 lq – Trace value
 MDL – Method Detection Limit
 MS/MSD – Matrix Spike/Matrix Spike Duplicate
 RPDs – Relative Percent Differences
 RL – Sample Reporting Limit
 TDS – Total Dissolved Solids
 UJ – Estimated, Non-Detect
 VOCs – Volatile Organic Compounds

Table 1: MS/MSD Recovery and RPD Outliers and Resultant Data Qualification

Associated Sample	Analyte	%R (Limits)	RPD (Limit)	Qualification
General Chemistry				
ACW-13	Chloride	62/61 (80-120)	0 (20)	As the potential bias was considered to be low, the associated detected sample result was qualified as estimated (J- m).

%R – Percent Recovery

RPD – Relative Percent Difference

Qualifiers

J- – Estimated, low bias

Reason Codes

m – Matrix Spike Recovery Outliers

Table 2: Surrogate Recovery Outliers and Resultant Data Qualification

Associated Sample	Surrogate	%R (Limits)	Qualification
Volatile Organic Compounds			
ACW-13	Dibromofluoromethane	141 (75-126)	As the potential bias was considered to be high, and the associated sample was reported as non-detect, data qualification was not considered necessary.

%R – Percent Recovery



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Generated 9/29/2023 9:45:49 PM

JOB DESCRIPTION

Jal #4 Gas Plant RWIP

JOB NUMBER

400-243351-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

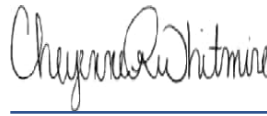
Eurofins Pensacola

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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Authorization



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Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Laboratory Job ID: 400-243351-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Job ID: 400-243351-1**Laboratory: Eurofins Pensacola****Narrative****Job Narrative
400-243351-1****Receipt**

The samples were received on 9/13/2023 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.0° C, 1.0° C, 1.6° C, 2.0° C, 2.0° C, 3.5° C and 4.1° C.

GC/MS VOA

Method 8260D: One of three surrogate recoveries for the following sample was outside control limits: ACW-01 (400-243351-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: ACW-02A (400-243351-2).

HPLC/IC

Method 9056A: The following sample was diluted due to high conductivity:
1,2,4,5,6,8,10,11,12,13,17,19,20,21,24,26,28,30,31,32,33,34,35,36,37,40. Elevated reporting limits (RL) are provided.

Method 9056A: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-04 (400-243351-3), ACW-09 (400-243351-7), ACW-11 (400-243351-9), ACW-16 (400-243351-14), ACW-17 (400-243351-15), ACW-18 (400-243351-16), ACW-20 (400-243351-18), ACW-24 (400-243351-22), ACW-25 (400-243351-23), ACW-27 (400-243351-25), ACW-30D (400-243351-29), DUP-02 (400-243351-38) and DUP-03 (400-243351-39). Elevated reporting limits (RLs) are provided.

Method 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-643116 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

General Chemistry

Method SM 2540C: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: ACW-18 (400-243351-16), ACW-20 (400-243351-18), ACW-24 (400-243351-22) and (400-243351-D-18 DU). Reanalysis could not be performed because the initial analysis was performed with the smallest allowable volume (5mL). The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-641039 was outside control limits. Sample matrix interference is suspected.

Method SM 2540C: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: ACW-04 (400-243351-3) and DUP-03 (400-243351-39). Reanalysis could not be performed because the initial analysis was performed using the smallest allowable volume (5mL). The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

Method SM 4500 S2 D: The following sample was diluted to bring the concentration of target analytes within the calibration range: ACW-02A (400-243351-2). Elevated reporting limits (RLs) are provided.

Method SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-641097 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 4500 S2 D: The matrix spike (MS) recoveries for analytical batch 400-641219 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.

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Job ID: 400-243351-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

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

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Detection Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-01

Lab Sample ID: 400-243351-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.058		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	15000		500	130	mg/L	500		9056A	Total/NA
Sodium	3900		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	20000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	9500		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.58		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.62		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-02A

Lab Sample ID: 400-243351-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0046		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.00060	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0013		0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	2900		100	25	mg/L	100		9056A	Total/NA
Sodium	2600		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	12000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6300		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	6.7		1.0	0.57	mg/L	10		SM 4500 S2 D	Total/NA
Sulfide as H2S	7.1		1.1	0.61	mg/L	10		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-04

Lab Sample ID: 400-243351-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.027		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0023		0.0010	0.00050	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0030	J	0.010	0.0016	mg/L	1		8260D	Total/NA
Chloride	64000		2000	500	mg/L	2000		9056A	Total/NA
Sodium	32000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	140000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	95000		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.20	F1	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.22	F1	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-05

Lab Sample ID: 400-243351-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0063		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.00095	J	0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	2300		100	25	mg/L	100		9056A	Total/NA
Sodium	1200		200	92	mg/L	100		6010D	Total/NA
Total Dissolved Solids	1000		10	10	mg/L	1		SM 2540C	Total/NA
Sulfide	0.19		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.20		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-06

Lab Sample ID: 400-243351-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1900		50	13	mg/L	50		9056A	Total/NA
Sodium	1300		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	6700		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3200		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.76		0.10	0.057	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

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-06 (Continued)

Lab Sample ID: 400-243351-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide as H2S	0.80		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-07

Lab Sample ID: 400-243351-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.0018		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	2400		50	13	mg/L	50		9056A	Total/NA
Sodium	1600		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	8500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4200		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-09

Lab Sample ID: 400-243351-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	11000		500	130	mg/L	500		9056A	Total/NA
Sodium	2700		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	30000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	20000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-10

Lab Sample ID: 400-243351-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.024		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	16000		500	130	mg/L	500		9056A	Total/NA
Sodium	2000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	21000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	13000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-11

Lab Sample ID: 400-243351-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.020		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	22000		500	130	mg/L	500		9056A	Total/NA
Sodium	6800		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	51000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	36000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-12

Lab Sample ID: 400-243351-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2400		50	13	mg/L	50		9056A	Total/NA
Sodium	500		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	7700		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5100		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.16		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.17		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-13

Lab Sample ID: 400-243351-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		50	13	mg/L	50		9056A	Total/NA
Sodium	210		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5900		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4000		25	25	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 RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-14

Lab Sample ID: 400-243351-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		10	2.5	mg/L	10		9056A	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1300		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	690		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-243351-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	320		10	2.5	mg/L	10		9056A	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1500		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: ACW-16

Lab Sample ID: 400-243351-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0014		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	10000		500	130	mg/L	500		9056A	Total/NA
Sodium	3900		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	29000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	16000		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.15		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.16		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-17

Lab Sample ID: 400-243351-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6000		500	130	mg/L	500		9056A	Total/NA
Sodium	1700		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	18000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	11000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-18

Lab Sample ID: 400-243351-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3800		2000	500	mg/L	2000		9056A	Total/NA
Sodium	21000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	110000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	76000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-19

Lab Sample ID: 400-243351-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.028		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0019		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0093		0.0010	0.00090	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0026	J	0.010	0.0016	mg/L	1		8260D	Total/NA
Chloride	1600		50	13	mg/L	50		9056A	Total/NA
Sodium	800		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	6100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3200		25	25	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 RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-20

Lab Sample ID: 400-243351-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.060		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0046		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0069		0.0010	0.00090	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0031	J	0.010	0.0016	mg/L	1		8260D	Total/NA
Chloride	71000		1500	380	mg/L	1500		9056A	Total/NA
Sodium	24000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	160000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	100000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-21

Lab Sample ID: 400-243351-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.019		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0084		0.0010	0.00050	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0072	J	0.010	0.0016	mg/L	1		8260D	Total/NA
Chloride	21		10	2.5	mg/L	10		9056A	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	2800		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: ACW-22

Lab Sample ID: 400-243351-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	360		20	5.0	mg/L	20		9056A	Total/NA
Sodium	400		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	2400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1300		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-23

Lab Sample ID: 400-243351-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	750		20	5.0	mg/L	20		9056A	Total/NA
Sodium	340		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	3500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2000		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-24

Lab Sample ID: 400-243351-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0017		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	57000		1500	380	mg/L	1500		9056A	Total/NA
Sodium	30000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	130000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	94000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-25

Lab Sample ID: 400-243351-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.027		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	20000		500	130	mg/L	500		9056A	Total/NA
Sodium	9200		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	51000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	36000		50	50	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 RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-26

Lab Sample ID: 400-243351-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	460		20	5.0	mg/L	20		9056A	Total/NA
Sodium	290		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	2200		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: 400-243351-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1200		500	130	mg/L	500		9056A	Total/NA
Sodium	350		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	4700		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2900		25	25	mg/L	1		SM 2540C	Total/NA
Sulfide	0.075	J	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.080	J	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-28

Lab Sample ID: 400-243351-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	39		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	58		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	630		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: 400-243351-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	80		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	750		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	450		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30S

Lab Sample ID: 400-243351-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	96		5.0	1.3	mg/L	5		9056A	Total/NA
Sodium	63		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	840		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	510		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30D

Lab Sample ID: 400-243351-29

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	17000		500	130	mg/L	500		9056A	Total/NA
Sodium	7700		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	45000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	32000		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.31		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.33		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-32S

Lab Sample ID: 400-243351-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	840		50	13	mg/L	50		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-32S (Continued)

Lab Sample ID: 400-243351-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	250		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	3500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2400		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32D

Lab Sample ID: 400-243351-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	360		10	2.5	mg/L	10		9056A	Total/NA
Sodium	140		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1800		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: ENSR-01

Lab Sample ID: 400-243351-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.011		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0012		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	4800		200	50	mg/L	200		9056A	Total/NA
Sodium	3700		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	17000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	9500		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: EPNG-01

Lab Sample ID: 400-243351-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	69		50	13	mg/L	50		9056A	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	8100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4300		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.37	F1	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.39	F1	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: PTP-01

Lab Sample ID: 400-243351-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	290		10	2.5	mg/L	10		9056A	Total/NA
Sodium	190		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1900		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: DOOM WELL

Lab Sample ID: 400-243351-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	36		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	69		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	680		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	400		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-243351-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	250		10	2.5	mg/L	10		9056A	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: FMR OXY WELL (Continued)

Lab Sample ID: 400-243351-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	1600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	890		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-243351-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	840		50	13	mg/L	50		9056A	Total/NA
Sodium	240		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	3500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2600		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-243351-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0016		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	17000		500	130	mg/L	500		9056A	Total/NA
Sodium	7800		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	46000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	31000		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.070	J	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.074	J	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: DUP-03

Lab Sample ID: 400-243351-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.062		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0072		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0089		0.0010	0.00090	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0048	J	0.010	0.0016	mg/L	1		8260D	Total/NA
Chloride	71000		10000	2500	mg/L	10000		9056A	Total/NA
Sodium	33000		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	160000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	110000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-04

Lab Sample ID: 400-243351-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45		2.0	0.50	mg/L	2		9056A	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	450		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-243351-41

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: 400-243351-1

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 PEN
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
3010A	Preparation, Total Metals	SW846	EET PEN
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 PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-243351-1	ACW-01	Water	09/12/23 10:55	09/13/23 09:20
400-243351-2	ACW-02A	Water	09/12/23 12:25	09/13/23 09:20
400-243351-3	ACW-04	Water	09/12/23 10:20	09/13/23 09:20
400-243351-4	ACW-05	Water	09/12/23 14:20	09/13/23 09:20
400-243351-5	ACW-06	Water	09/12/23 11:40	09/13/23 09:20
400-243351-6	ACW-07	Water	09/12/23 13:50	09/13/23 09:20
400-243351-7	ACW-09	Water	09/12/23 12:45	09/13/23 09:20
400-243351-8	ACW-10	Water	09/12/23 13:40	09/13/23 09:20
400-243351-9	ACW-11	Water	09/12/23 13:15	09/13/23 09:20
400-243351-10	ACW-12	Water	09/12/23 13:50	09/13/23 09:20
400-243351-11	ACW-13	Water	09/12/23 14:45	09/13/23 09:20
400-243351-12	ACW-14	Water	09/12/23 13:00	09/13/23 09:20
400-243351-13	ACW-15	Water	09/12/23 12:45	09/13/23 09:20
400-243351-14	ACW-16	Water	09/12/23 10:10	09/13/23 09:20
400-243351-15	ACW-17	Water	09/12/23 12:35	09/13/23 09:20
400-243351-16	ACW-18	Water	09/12/23 11:35	09/13/23 09:20
400-243351-17	ACW-19	Water	09/12/23 11:40	09/13/23 09:20
400-243351-18	ACW-20	Water	09/12/23 11:00	09/13/23 09:20
400-243351-19	ACW-21	Water	09/12/23 13:55	09/13/23 09:20
400-243351-20	ACW-22	Water	09/12/23 11:55	09/13/23 09:20
400-243351-21	ACW-23	Water	09/12/23 11:00	09/13/23 09:20
400-243351-22	ACW-24	Water	09/12/23 10:45	09/13/23 09:20
400-243351-23	ACW-25	Water	09/12/23 13:45	09/13/23 09:20
400-243351-24	ACW-26	Water	09/12/23 10:40	09/13/23 09:20
400-243351-25	ACW-27	Water	09/12/23 10:00	09/13/23 09:20
400-243351-26	ACW-28	Water	09/12/23 11:20	09/13/23 09:20
400-243351-27	ACW-29	Water	09/12/23 12:00	09/13/23 09:20
400-243351-28	ACW-30S	Water	09/12/23 09:00	09/13/23 09:20
400-243351-29	ACW-30D	Water	09/12/23 09:45	09/13/23 09:20
400-243351-30	ACW-32S	Water	09/12/23 08:55	09/13/23 09:20
400-243351-31	ACW-32D	Water	09/12/23 10:10	09/13/23 09:20
400-243351-32	ENSR-01	Water	09/12/23 09:35	09/13/23 09:20
400-243351-33	EPNG-01	Water	09/12/23 09:10	09/13/23 09:20
400-243351-34	PTP-01	Water	09/12/23 09:25	09/13/23 09:20
400-243351-35	DOOM WELL	Water	09/12/23 12:15	09/13/23 09:20
400-243351-36	FMR OXY WELL	Water	09/12/23 13:00	09/13/23 09:20
400-243351-37	DUP-01	Water	09/12/23 09:00	09/13/23 09:20
400-243351-38	DUP-02	Water	09/12/23 12:00	09/13/23 09:20
400-243351-39	DUP-03	Water	09/12/23 09:00	09/13/23 09:20
400-243351-40	DUP-04	Water	09/12/23 10:00	09/13/23 09:20
400-243351-41	TB-01	Water	09/12/23 08:00	09/13/23 09:20

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-01

Lab Sample ID: 400-243351-1

Date Collected: 09/12/23 10:55

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.058		0.0010	0.00050	mg/L			09/15/23 20:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 20:05	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 20:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	204	S1+	72 - 130					09/15/23 20:05	1
Dibromofluoromethane	108		75 - 126					09/15/23 20:05	1
Toluene-d8 (Surr)	100		64 - 132					09/15/23 20:05	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		500	130	mg/L			09/21/23 19:45	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	3900		200	92	mg/L		09/22/23 12:10	09/25/23 22:34	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	20000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	9500		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	0.58		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.62		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-02A

Lab Sample ID: 400-243351-2

Date Collected: 09/12/23 12:25

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0046		0.0010	0.00050	mg/L			09/15/23 20:26	1
Ethylbenzene	0.00060	J	0.0010	0.00050	mg/L			09/15/23 20:26	1
Toluene	0.0013		0.0010	0.00090	mg/L			09/15/23 20:26	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 20:26	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 130					09/15/23 20:26	1
Dibromofluoromethane	102		75 - 126					09/15/23 20:26	1
Toluene-d8 (Surr)	101		64 - 132					09/15/23 20:26	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		100	25	mg/L			09/21/23 19:52	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2600		200	92	mg/L		09/22/23 12:10	09/25/23 22:38	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	12000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	6300		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	6.7		1.0	0.57	mg/L			09/14/23 13:35	10
Sulfide as H2S (SM 4500 S2 D)	7.1		1.1	0.61	mg/L			09/14/23 13:35	10

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-04

Lab Sample ID: 400-243351-3

Date Collected: 09/12/23 10:20

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.027		0.0010	0.00050	mg/L			09/15/23 20:47	1
Ethylbenzene	0.0023		0.0010	0.00050	mg/L			09/15/23 20:47	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 20:47	1
Xylenes, Total	0.0030	J	0.010	0.0016	mg/L			09/15/23 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 130					09/15/23 20:47	1
Dibromofluoromethane	106		75 - 126					09/15/23 20:47	1
Toluene-d8 (Surr)	101		64 - 132					09/15/23 20:47	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64000		2000	500	mg/L			09/28/23 06:00	2000

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	32000		200	92	mg/L		09/22/23 12:10	09/25/23 22:42	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	140000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	95000		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	0.20	F1	0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.22	F1	0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-05

Lab Sample ID: 400-243351-4

Date Collected: 09/12/23 14:20

Matrix: Water

Date Received: 09/13/23 09:20

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	0.00050	mg/L			09/15/23 21:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 21:07	1
Toluene	0.00095	J	0.0010	0.00090	mg/L			09/15/23 21:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/15/23 21:07	1
Dibromofluoromethane	103		75 - 126					09/15/23 21:07	1
Toluene-d8 (Surr)	101		64 - 132					09/15/23 21:07	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		100	25	mg/L			09/22/23 20:00	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1200		200	92	mg/L		09/22/23 12:10	09/25/23 22:46	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	<10		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	1000		10	10	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	0.19		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.20		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-06

Lab Sample ID: 400-243351-5

Date Collected: 09/12/23 11:40

Matrix: Water

Date Received: 09/13/23 09:20

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			09/15/23 21:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 21:28	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 21:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 21:28	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 130					09/15/23 21:28	1
Dibromofluoromethane	103		75 - 126					09/15/23 21:28	1
Toluene-d8 (Surr)	101		64 - 132					09/15/23 21:28	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		50	13	mg/L			09/21/23 20:15	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1300		200	92	mg/L		09/22/23 12:10	09/25/23 22:50	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	6700		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	3200		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	0.76		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.80		0.11	0.061	mg/L			09/14/23 13:35	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-07

Lab Sample ID: 400-243351-6

Date Collected: 09/12/23 13:50

Matrix: Water

Date Received: 09/13/23 09:20

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			09/15/23 21:49	1
Ethylbenzene	0.0018		0.0010	0.00050	mg/L			09/15/23 21:49	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 21:49	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 130					09/15/23 21:49	1
Dibromofluoromethane	104		75 - 126					09/15/23 21:49	1
Toluene-d8 (Surr)	102		64 - 132					09/15/23 21:49	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2400		50	13	mg/L			09/21/23 20:22	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1600		200	92	mg/L		09/22/23 12:10	09/25/23 22:54	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	8500		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	4200		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-09

Lab Sample ID: 400-243351-7

Date Collected: 09/12/23 12:45

Matrix: Water

Date Received: 09/13/23 09:20

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			09/15/23 22:10	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 22:10	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 22:10	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 130					09/15/23 22:10	1
Dibromofluoromethane	105		75 - 126					09/15/23 22:10	1
Toluene-d8 (Surr)	101		64 - 132					09/15/23 22:10	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11000		500	130	mg/L			09/25/23 22:45	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2700		200	92	mg/L		09/22/23 12:10	09/25/23 22:58	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	30000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	20000		50	50	mg/L			09/14/23 11:59	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-10

Lab Sample ID: 400-243351-8

Date Collected: 09/12/23 13:40

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.024		0.0010	0.00050	mg/L			09/15/23 22:31	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 22:31	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 22:31	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/15/23 22:31	1
Dibromofluoromethane	105		75 - 126					09/15/23 22:31	1
Toluene-d8 (Surr)	103		64 - 132					09/15/23 22:31	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16000		500	130	mg/L			09/21/23 20:52	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2000		200	92	mg/L		09/22/23 12:10	09/25/23 23:10	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	21000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	13000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-11

Lab Sample ID: 400-243351-9

Date Collected: 09/12/23 13:15

Matrix: Water

Date Received: 09/13/23 09:20

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	0.00050	mg/L			09/18/23 11:41	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 11:41	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 11:41	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130					09/18/23 11:41	1
Dibromofluoromethane	93		75 - 126					09/18/23 11:41	1
Toluene-d8 (Surr)	102		64 - 132					09/18/23 11:41	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22000		500	130	mg/L			09/28/23 06:20	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	6800		200	92	mg/L		09/22/23 12:10	09/25/23 23:14	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	51000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	36000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-12

Lab Sample ID: 400-243351-10

Date Collected: 09/12/23 13:50

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 12:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 12:07	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 12:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130					09/18/23 12:07	1
Dibromofluoromethane	94		75 - 126					09/18/23 12:07	1
Toluene-d8 (Surr)	102		64 - 132					09/18/23 12:07	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2400		50	13	mg/L			09/21/23 21:45	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	500		2.0	0.92	mg/L		09/22/23 12:10	09/25/23 23:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	7700		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	5100		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	0.16		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.17		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-13

Lab Sample ID: 400-243351-11

Date Collected: 09/12/23 14:45

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 12:32	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 12:32	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 12:32	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 12:32	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130					09/18/23 12:32	1
Dibromofluoromethane	95		75 - 126					09/18/23 12:32	1
Toluene-d8 (Surr)	101		64 - 132					09/18/23 12:32	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	13	mg/L			09/21/23 21:52	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	210		2.0	0.92	mg/L		09/22/23 12:10	09/25/23 23:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5900		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	4000		25	25	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057	F1	0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-14

Lab Sample ID: 400-243351-12

Date Collected: 09/12/23 13:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 16:18	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 16:18	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 16:18	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					09/18/23 16:18	1
Dibromofluoromethane	94		75 - 126					09/18/23 16:18	1
Toluene-d8 (Surr)	104		64 - 132					09/18/23 16:18	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		10	2.5	mg/L			09/21/23 22:00	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		09/22/23 12:10	09/25/23 23:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1300		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	690		10	10	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-15

Lab Sample ID: 400-243351-13

Date Collected: 09/12/23 12:45

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 16:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 16:43	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 16:43	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130					09/18/23 16:43	1
Dibromofluoromethane	95		75 - 126					09/18/23 16:43	1
Toluene-d8 (Surr)	102		64 - 132					09/18/23 16:43	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		10	2.5	mg/L			09/21/23 22:07	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		09/22/23 12:10	09/25/23 23:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1500		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	840		10	10	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-16

Lab Sample ID: 400-243351-14

Date Collected: 09/12/23 10:10

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0014		0.0010	0.00050	mg/L			09/18/23 17:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 17:08	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 17:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130					09/18/23 17:08	1
Dibromofluoromethane	98		75 - 126					09/18/23 17:08	1
Toluene-d8 (Surr)	103		64 - 132					09/18/23 17:08	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		500	130	mg/L			09/26/23 08:50	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	3900		200	92	mg/L		09/22/23 12:10	09/25/23 23:34	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	29000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	16000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	0.15		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	0.16		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-17

Lab Sample ID: 400-243351-15

Date Collected: 09/12/23 12:35

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 17:33	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 17:33	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 17:33	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130					09/18/23 17:33	1
Dibromofluoromethane	98		75 - 126					09/18/23 17:33	1
Toluene-d8 (Surr)	103		64 - 132					09/18/23 17:33	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6000		500	130	mg/L			09/26/23 09:10	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1700		200	92	mg/L		09/22/23 12:10	09/25/23 23:38	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	18000		10	10	umhos/cm			09/19/23 15:17	1
Total Dissolved Solids (SM 2540C)	11000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-18

Lab Sample ID: 400-243351-16

Date Collected: 09/12/23 11:35

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 17:58	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 17:58	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 17:58	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 130					09/18/23 17:58	1
Dibromofluoromethane	103		75 - 126					09/18/23 17:58	1
Toluene-d8 (Surr)	102		64 - 132					09/18/23 17:58	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		2000	500	mg/L			09/28/23 19:12	2000

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	21000		200	92	mg/L		09/25/23 08:04	09/26/23 06:27	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	110000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	76000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-19

Lab Sample ID: 400-243351-17

Date Collected: 09/12/23 11:40

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.028		0.0010	0.00050	mg/L			09/18/23 18:23	1
Ethylbenzene	0.0019		0.0010	0.00050	mg/L			09/18/23 18:23	1
Toluene	0.0093		0.0010	0.00090	mg/L			09/18/23 18:23	1
Xylenes, Total	0.0026	J	0.010	0.0016	mg/L			09/18/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					09/18/23 18:23	1
Dibromofluoromethane	93		75 - 126					09/18/23 18:23	1
Toluene-d8 (Surr)	104		64 - 132					09/18/23 18:23	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	13	mg/L			09/21/23 22:52	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	800		2.0	0.92	mg/L		09/25/23 08:04	09/25/23 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	6100		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	3200		25	25	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-20

Lab Sample ID: 400-243351-18

Date Collected: 09/12/23 11:00

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.060		0.0010	0.00050	mg/L			09/18/23 18:48	1
Ethylbenzene	0.0046		0.0010	0.00050	mg/L			09/18/23 18:48	1
Toluene	0.0069		0.0010	0.00090	mg/L			09/18/23 18:48	1
Xylenes, Total	0.0031	J	0.010	0.0016	mg/L			09/18/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130					09/18/23 18:48	1
Dibromofluoromethane	95		75 - 126					09/18/23 18:48	1
Toluene-d8 (Surr)	102		64 - 132					09/18/23 18:48	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71000		1500	380	mg/L			09/26/23 09:50	1500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	24000		200	92	mg/L		09/25/23 08:04	09/26/23 06:31	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	160000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	100000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-21

Lab Sample ID: 400-243351-19

Date Collected: 09/12/23 13:55

Matrix: Water

Date Received: 09/13/23 09:20

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	0.00050	mg/L			09/18/23 19:13	1
Ethylbenzene	0.0084		0.0010	0.00050	mg/L			09/18/23 19:13	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 19:13	1
Xylenes, Total	0.0072	J	0.010	0.0016	mg/L			09/18/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		72 - 130					09/18/23 19:13	1
Dibromofluoromethane	86		75 - 126					09/18/23 19:13	1
Toluene-d8 (Surr)	103		64 - 132					09/18/23 19:13	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		10	2.5	mg/L			09/21/23 23:07	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		09/25/23 08:04	09/25/23 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	2800		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	1000		10	10	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-22

Lab Sample ID: 400-243351-20

Date Collected: 09/12/23 11:55

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 19:38	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 19:38	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 19:38	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					09/18/23 19:38	1
Dibromofluoromethane	96		75 - 126					09/18/23 19:38	1
Toluene-d8 (Surr)	105		64 - 132					09/18/23 19:38	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		20	5.0	mg/L			09/21/23 23:15	20

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	400		2.0	0.92	mg/L		09/25/23 08:04	09/25/23 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	2400		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	1300		10	10	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/14/23 13:35	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-23

Lab Sample ID: 400-243351-21

Date Collected: 09/12/23 11:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/18/23 20:03	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 20:03	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 20:03	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130					09/18/23 20:03	1
Dibromofluoromethane	96		75 - 126					09/18/23 20:03	1
Toluene-d8 (Surr)	103		64 - 132					09/18/23 20:03	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	750		20	5.0	mg/L			09/21/23 23:22	20

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	340		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	3500		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	2000		25	25	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-24

Lab Sample ID: 400-243351-22

Date Collected: 09/12/23 10:45

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0017		0.0010	0.00050	mg/L			09/18/23 20:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 20:28	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 20:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	122		72 - 130					09/18/23 20:28	1
Dibromofluoromethane	98		75 - 126					09/18/23 20:28	1
Toluene-d8 (Surr)	98		64 - 132					09/18/23 20:28	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57000		1500	380	mg/L			09/26/23 10:10	1500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	30000		200	92	mg/L		09/26/23 07:48	09/26/23 21:36	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	130000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	94000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-25

Lab Sample ID: 400-243351-23

Date Collected: 09/12/23 13:45

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.027		0.0010	0.00050	mg/L			09/18/23 20:53	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 20:53	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 20:53	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130					09/18/23 20:53	1
Dibromofluoromethane	96		75 - 126					09/18/23 20:53	1
Toluene-d8 (Surr)	101		64 - 132					09/18/23 20:53	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20000		500	130	mg/L			09/26/23 10:29	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	9200		200	92	mg/L		09/26/23 07:48	09/26/23 21:40	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	51000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	36000		50	50	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-26

Lab Sample ID: 400-243351-24

Date Collected: 09/12/23 10:40

Matrix: Water

Date Received: 09/13/23 09:20

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			09/21/23 22:16	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 22:16	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 22:16	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 130					09/21/23 22:16	1
Dibromofluoromethane	104		75 - 126					09/21/23 22:16	1
Toluene-d8 (Surr)	103		64 - 132					09/21/23 22:16	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		20	5.0	mg/L			09/21/23 23:45	20

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	290		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 18:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	2200		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	1100		10	10	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-27

Lab Sample ID: 400-243351-25

Date Collected: 09/12/23 10:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/21/23 22:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 22:36	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 22:36	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 130					09/21/23 22:36	1
Dibromofluoromethane	104		75 - 126					09/21/23 22:36	1
Toluene-d8 (Surr)	103		64 - 132					09/21/23 22:36	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		500	130	mg/L			09/26/23 10:49	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	350		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	4700		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	2900		25	25	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	0.075	J	0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	0.080	J	0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-28

Lab Sample ID: 400-243351-26

Date Collected: 09/12/23 11:20

Matrix: Water

Date Received: 09/13/23 09:20

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			09/21/23 22:57	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 22:57	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 22:57	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 130					09/21/23 22:57	1
Dibromofluoromethane	105		75 - 126					09/21/23 22:57	1
Toluene-d8 (Surr)	104		64 - 132					09/21/23 22:57	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39		1.0	0.25	mg/L			09/22/23 00:00	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	58		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	630		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	390		5.0	5.0	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-29

Lab Sample ID: 400-243351-27

Date Collected: 09/12/23 12:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/21/23 23:18	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 23:18	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 23:18	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/21/23 23:18	1
Dibromofluoromethane	106		75 - 126					09/21/23 23:18	1
Toluene-d8 (Surr)	103		64 - 132					09/21/23 23:18	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		1.0	0.25	mg/L			09/22/23 00:45	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	80		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	750		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	450		5.0	5.0	mg/L			09/14/23 12:11	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-30S

Lab Sample ID: 400-243351-28

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/21/23 23:39	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 23:39	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 23:39	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 23:39	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/21/23 23:39	1
Dibromofluoromethane	104		75 - 126					09/21/23 23:39	1
Toluene-d8 (Surr)	101		64 - 132					09/21/23 23:39	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96		5.0	1.3	mg/L			09/22/23 20:08	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	63		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	840		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	510		5.0	5.0	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-30D

Lab Sample ID: 400-243351-29

Date Collected: 09/12/23 09:45

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 00:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 00:00	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 00:00	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130					09/22/23 00:00	1
Dibromofluoromethane	104		75 - 126					09/22/23 00:00	1
Toluene-d8 (Surr)	106		64 - 132					09/22/23 00:00	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17000		500	130	mg/L			09/26/23 11:49	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	7700		200	92	mg/L		09/26/23 07:48	09/26/23 21:44	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	45000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	32000		50	50	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	0.31		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	0.33		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-32S

Lab Sample ID: 400-243351-30

Date Collected: 09/12/23 08:55

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 00:21	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 00:21	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 00:21	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130					09/22/23 00:21	1
Dibromofluoromethane	108		75 - 126					09/22/23 00:21	1
Toluene-d8 (Surr)	104		64 - 132					09/22/23 00:21	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	840		50	13	mg/L			09/22/23 20:15	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	250		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	3500		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	2400		25	25	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-32D

Lab Sample ID: 400-243351-31

Date Collected: 09/12/23 10:10

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 00:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 00:42	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 00:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 00:42	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 130					09/22/23 00:42	1
Dibromofluoromethane	106		75 - 126					09/22/23 00:42	1
Toluene-d8 (Surr)	103		64 - 132					09/22/23 00:42	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		10	2.5	mg/L			09/22/23 01:30	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	140		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1800		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	1000		10	10	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ENSR-01

Lab Sample ID: 400-243351-32

Date Collected: 09/12/23 09:35

Matrix: Water

Date Received: 09/13/23 09:20

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	0.00050	mg/L			09/22/23 01:04	1
Ethylbenzene	0.0012		0.0010	0.00050	mg/L			09/22/23 01:04	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 01:04	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 01:04	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 130					09/22/23 01:04	1
Dibromofluoromethane	106		75 - 126					09/22/23 01:04	1
Toluene-d8 (Surr)	101		64 - 132					09/22/23 01:04	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		200	50	mg/L			09/22/23 20:23	200

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	3700		200	92	mg/L		09/26/23 07:48	09/26/23 21:48	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	17000		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	9500		50	50	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: EPNG-01

Lab Sample ID: 400-243351-33

Date Collected: 09/12/23 09:10

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 01:25	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 01:25	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 01:25	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130					09/22/23 01:25	1
Dibromofluoromethane	106		75 - 126					09/22/23 01:25	1
Toluene-d8 (Surr)	105		64 - 132					09/22/23 01:25	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		50	13	mg/L			09/22/23 20:45	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	8100		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	4300		50	50	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	0.37	F1	0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	0.39	F1	0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: PTP-01

Lab Sample ID: 400-243351-34

Date Collected: 09/12/23 09:25

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 01:46	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 01:46	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 01:46	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/22/23 01:46	1
Dibromofluoromethane	104		75 - 126					09/22/23 01:46	1
Toluene-d8 (Surr)	103		64 - 132					09/22/23 01:46	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		10	2.5	mg/L			09/22/23 02:07	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	190		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1900		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	780		10	10	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-243351-35

Date Collected: 09/12/23 12:15

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 02:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 02:07	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 02:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 130					09/22/23 02:07	1
Dibromofluoromethane	109		75 - 126					09/22/23 02:07	1
Toluene-d8 (Surr)	103		64 - 132					09/22/23 02:07	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36		1.0	0.25	mg/L			09/22/23 02:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	69		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 20:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	680		10	10	umhos/cm			09/20/23 14:06	1
Total Dissolved Solids (SM 2540C)	400		5.0	5.0	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-243351-36

Date Collected: 09/12/23 13:00

Matrix: Water

Date Received: 09/13/23 09:20

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	0.00050	mg/L			09/22/23 14:40	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 14:40	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 14:40	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		72 - 130					09/22/23 14:40	1
Dibromofluoromethane	105		75 - 126					09/22/23 14:40	1
Toluene-d8 (Surr)	103		64 - 132					09/22/23 14:40	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10	2.5	mg/L			09/22/23 02:22	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 20:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1600		10	10	umhos/cm			09/20/23 16:13	1
Total Dissolved Solids (SM 2540C)	890		10	10	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-01

Lab Sample ID: 400-243351-37

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 16:47	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 16:47	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 16:47	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130					09/22/23 16:47	1
Dibromofluoromethane	104		75 - 126					09/22/23 16:47	1
Toluene-d8 (Surr)	104		64 - 132					09/22/23 16:47	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	840		50	13	mg/L			09/22/23 20:53	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	240		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 20:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	3500		10	10	umhos/cm			09/20/23 16:13	1
Total Dissolved Solids (SM 2540C)	2600		25	25	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-02

Lab Sample ID: 400-243351-38

Date Collected: 09/12/23 12:00

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0016		0.0010	0.00050	mg/L			09/22/23 17:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 17:08	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 17:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 130					09/22/23 17:08	1
Dibromofluoromethane	107		75 - 126					09/22/23 17:08	1
Toluene-d8 (Surr)	107		64 - 132					09/22/23 17:08	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17000		500	130	mg/L			09/26/23 12:09	500

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	7800		200	92	mg/L		09/26/23 07:48	09/26/23 21:52	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	46000		10	10	umhos/cm			09/20/23 16:13	1
Total Dissolved Solids (SM 2540C)	31000		50	50	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	0.070	J	0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	0.074	J	0.11	0.061	mg/L			09/15/23 09:10	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-03

Lab Sample ID: 400-243351-39

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.062		0.0010	0.00050	mg/L			09/22/23 17:29	1
Ethylbenzene	0.0072		0.0010	0.00050	mg/L			09/22/23 17:29	1
Toluene	0.0089		0.0010	0.00090	mg/L			09/22/23 17:29	1
Xylenes, Total	0.0048	J	0.010	0.0016	mg/L			09/22/23 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/22/23 17:29	1
Dibromofluoromethane	106		75 - 126					09/22/23 17:29	1
Toluene-d8 (Surr)	102		64 - 132					09/22/23 17:29	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71000		10000	2500	mg/L			09/28/23 07:19	10000

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	33000		200	92	mg/L		09/26/23 07:48	09/26/23 21:56	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	160000		10	10	umhos/cm			09/20/23 16:13	1
Total Dissolved Solids (SM 2540C)	110000		50	50	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-04

Lab Sample ID: 400-243351-40

Date Collected: 09/12/23 10:00

Matrix: Water

Date Received: 09/13/23 09:20

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			09/22/23 17:50	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 17:50	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 17:50	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 130					09/22/23 17:50	1
Dibromofluoromethane	105		75 - 126					09/22/23 17:50	1
Toluene-d8 (Surr)	104		64 - 132					09/22/23 17:50	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		2.0	0.50	mg/L			09/22/23 21:00	2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 20:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1400		10	10	umhos/cm			09/20/23 16:13	1
Total Dissolved Solids (SM 2540C)	450		5.0	5.0	mg/L			09/14/23 12:12	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/15/23 09:10	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: TB-01 Lab Sample ID: 400-243351-41
Date Collected: 09/12/23 08:00 Matrix: Water
Date Received: 09/13/23 09:20

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			09/22/23 18:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 18:11	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 18:11	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130					09/22/23 18:11	1
Dibromofluoromethane	106		75 - 126					09/22/23 18:11	1
Toluene-d8 (Surr)	102		64 - 132					09/22/23 18:11	1

Definitions/Glossary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

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.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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
F1	MS and/or MSD recovery exceeds control limits.
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.
α	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

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Surrogate Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-130)	DBFM (75-126)	TOL (64-132)
400-243351-1	ACW-01	204 S1+	108	100
400-243351-2	ACW-02A	96	102	101
400-243351-3	ACW-04	92	106	101
400-243351-4	ACW-05	89	103	101
400-243351-5	ACW-06	87	103	101
400-243351-6	ACW-07	91	104	102
400-243351-7	ACW-09	92	105	101
400-243351-8	ACW-10	89	105	103
400-243351-9	ACW-11	109	93	102
400-243351-9 MS	ACW-11	108	88	101
400-243351-9 MSD	ACW-11	109	88	101
400-243351-10	ACW-12	108	94	102
400-243351-11	ACW-13	109	95	101
400-243351-12	ACW-14	110	94	104
400-243351-13	ACW-15	108	95	102
400-243351-14	ACW-16	109	98	103
400-243351-15	ACW-17	109	98	103
400-243351-16	ACW-18	106	103	102
400-243351-17	ACW-19	110	93	104
400-243351-18	ACW-20	109	95	102
400-243351-19	ACW-21	112	86	103
400-243351-20	ACW-22	110	96	105
400-243351-21	ACW-23	108	96	103
400-243351-22	ACW-24	122	98	98
400-243351-23	ACW-25	108	96	101
400-243351-24	ACW-26	87	104	103
400-243351-25	ACW-27	90	104	103
400-243351-26	ACW-28	85	105	104
400-243351-27	ACW-29	89	106	103
400-243351-28	ACW-30S	89	104	101
400-243351-29	ACW-30D	88	104	106
400-243351-30	ACW-32S	86	108	104
400-243351-31	ACW-32D	85	106	103
400-243351-32	ENSR-01	85	106	101
400-243351-33	EPNG-01	86	106	105
400-243351-34	PTP-01	89	104	103
400-243351-35	DOOM WELL	90	109	103
400-243351-36	FMR OXY WELL	93	105	103
400-243351-36 MS	FMR OXY WELL	86	103	102
400-243351-36 MSD	FMR OXY WELL	86	101	103
400-243351-37	DUP-01	86	104	104
400-243351-38	DUP-02	91	107	107
400-243351-39	DUP-03	89	106	102
400-243351-40	DUP-04	89	105	104
400-243351-41	TB-01	88	106	102
LCS 400-641152/1003	Lab Control Sample	87	103	101
LCS 400-641439/1002	Lab Control Sample	108	95	100
LCS 400-642038/1001	Lab Control Sample	87	102	104
LCS 400-642228/1001	Lab Control Sample	86	101	103

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Surrogate Summary

Client: AECOM

Project/Site: Jal #4 Gas Plant RWIP

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Job ID: 400-243351-1

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-130)	DBFM (75-126)	TOL (64-132)
MB 400-641152/5	Method Blank	92	103	104
MB 400-641439/18	Method Blank	109	94	104
MB 400-642038/3	Method Blank	90	104	105
MB 400-642228/3	Method Blank	91	102	104
Surrogate Legend				
BFB = 4-Bromofluorobenzene				
DBFM = Dibromofluoromethane				
TOL = Toluene-d8 (Surr)				

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-01

Lab Sample ID: 400-243351-1

Date Collected: 09/12/23 10:55

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 20:05	WPD	EET PEN
Total/NA	Analysis	9056A		500			642159	09/21/23 19:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:34	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-02A

Lab Sample ID: 400-243351-2

Date Collected: 09/12/23 12:25

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 20:26	WPD	EET PEN
Total/NA	Analysis	9056A		100			642159	09/21/23 19:52	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:38	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		10	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-04

Lab Sample ID: 400-243351-3

Date Collected: 09/12/23 10:20

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 20:47	WPD	EET PEN
Total/NA	Analysis	9056A		2000	10 mL	10 mL	643116	09/28/23 06:00	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:42	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-05

Lab Sample ID: 400-243351-4

Date Collected: 09/12/23 14:20

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 21:07	WPD	EET PEN
Total/NA	Analysis	9056A		100			642356	09/22/23 20:00	JN	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-05

Lab Sample ID: 400-243351-4

Date Collected: 09/12/23 14:20

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Total/NA	Analysis	6010D		100			642659	09/25/23 22:46	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-06

Lab Sample ID: 400-243351-5

Date Collected: 09/12/23 11:40

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 21:28	WPD	EET PEN
Total/NA	Analysis	9056A		50			642159	09/21/23 20:15	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:50	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-07

Lab Sample ID: 400-243351-6

Date Collected: 09/12/23 13:50

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 21:49	WPD	EET PEN
Total/NA	Analysis	9056A		50			642159	09/21/23 20:22	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:54	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-09

Lab Sample ID: 400-243351-7

Date Collected: 09/12/23 12:45

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 22:10	WPD	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/25/23 22:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 22:58	LSS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-09

Lab Sample ID: 400-243351-7

Date Collected: 09/12/23 12:45

Matrix: Water

Date Received: 09/13/23 09:20

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			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641035	09/14/23 11:59	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-10

Lab Sample ID: 400-243351-8

Date Collected: 09/12/23 13:40

Matrix: Water

Date Received: 09/13/23 09:20

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	641152	09/15/23 22:31	WPD	EET PEN
Total/NA	Analysis	9056A		500			642159	09/21/23 20:52	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		100			642659	09/25/23 23:10	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-11

Lab Sample ID: 400-243351-9

Date Collected: 09/12/23 13:15

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 11:41	BPO	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	643116	09/28/23 06:20	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		100			642659	09/25/23 23:14	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-12

Lab Sample ID: 400-243351-10

Date Collected: 09/12/23 13:50

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 12:07	BPO	EET PEN
Total/NA	Analysis	9056A		50			642167	09/21/23 21:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 23:18	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: ACW-12

Lab Sample ID: 400-243351-10

Date Collected: 09/12/23 13:50

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-243351-11

Date Collected: 09/12/23 14:45

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 12:32	BPO	EET PEN
Total/NA	Analysis	9056A		50			642167	09/21/23 21:52	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
								Completed: 09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 23:22	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-14

Lab Sample ID: 400-243351-12

Date Collected: 09/12/23 13:00

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 16:18	BPO	EET PEN
Total/NA	Analysis	9056A		10			642167	09/21/23 22:00	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
								Completed: 09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 23:26	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-15

Lab Sample ID: 400-243351-13

Date Collected: 09/12/23 12:45

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 16:43	BPO	EET PEN
Total/NA	Analysis	9056A		10			642167	09/21/23 22:07	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
								Completed: 09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 23:30	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-16

Lab Sample ID: 400-243351-14

Date Collected: 09/12/23 10:10

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 17:08	BPO	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 08:50	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 23:34	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-17

Lab Sample ID: 400-243351-15

Date Collected: 09/12/23 12:35

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 17:33	BPO	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 09:10	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
Completed: 09/22/23 17:42 ¹										
Total/NA	Analysis	6010D		100			642659	09/25/23 23:38	LSS	EET PEN
Total/NA	Analysis	120.1		1			641731	09/19/23 15:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-18

Lab Sample ID: 400-243351-16

Date Collected: 09/12/23 11:35

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 17:58	BPO	EET PEN
Total/NA	Analysis	9056A		2000			643297	09/28/23 19:12	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
Completed: 09/25/23 13:41 ¹										
Total/NA	Analysis	6010D		100			642850	09/26/23 06:27	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-19

Lab Sample ID: 400-243351-17

Date Collected: 09/12/23 11:40

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 18:23	BPO	EET PEN
Total/NA	Analysis	9056A		50			642167	09/21/23 22:52	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-19

Lab Sample ID: 400-243351-17

Date Collected: 09/12/23 11:40

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
Total/NA	Analysis	6010D		1			642640	09/25/23 16:26	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-20

Lab Sample ID: 400-243351-18

Date Collected: 09/12/23 11:00

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 18:48	BPO	EET PEN
Total/NA	Analysis	9056A		1500	10 mL	10 mL	642586	09/26/23 09:50	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
Completed:								09/25/23 13:41	1	
Total/NA	Analysis	6010D		100			642850	09/26/23 06:31	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-21

Lab Sample ID: 400-243351-19

Date Collected: 09/12/23 13:55

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 19:13	BPO	EET PEN
Total/NA	Analysis	9056A		10			642167	09/21/23 23:07	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
Completed:								09/25/23 13:41	1	
Total/NA	Analysis	6010D		1			642640	09/25/23 16:35	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-22

Lab Sample ID: 400-243351-20

Date Collected: 09/12/23 11:55

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 19:38	BPO	EET PEN
Total/NA	Analysis	9056A		20			642167	09/21/23 23:15	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
Completed:								09/25/23 13:41	1	
Total/NA	Analysis	6010D		1			642640	09/25/23 16:39	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-22

Lab Sample ID: 400-243351-20

Date Collected: 09/12/23 11:55

Matrix: Water

Date Received: 09/13/23 09:20

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			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-23

Lab Sample ID: 400-243351-21

Date Collected: 09/12/23 11:00

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 20:03	BPO	EET PEN
Total/NA	Analysis	9056A		20			642167	09/21/23 23:22	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 18:15	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-24

Lab Sample ID: 400-243351-22

Date Collected: 09/12/23 10:45

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 20:28	BPO	EET PEN
Total/NA	Analysis	9056A		1500	10 mL	10 mL	642586	09/26/23 10:10	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		100			642866	09/26/23 21:36	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-25

Lab Sample ID: 400-243351-23

Date Collected: 09/12/23 13:45

Matrix: Water

Date Received: 09/13/23 09:20

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	641439	09/18/23 20:53	BPO	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 10:29	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		100			642866	09/26/23 21:40	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-25

Lab Sample ID: 400-243351-23

Date Collected: 09/12/23 13:45

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-26

Lab Sample ID: 400-243351-24

Date Collected: 09/12/23 10:40

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/21/23 22:16	CAR	EET PEN
Total/NA	Analysis	9056A		20			642167	09/21/23 23:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 18:43	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-27

Lab Sample ID: 400-243351-25

Date Collected: 09/12/23 10:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/21/23 22:36	CAR	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 10:49	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:13	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-28

Lab Sample ID: 400-243351-26

Date Collected: 09/12/23 11:20

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/21/23 22:57	CAR	EET PEN
Total/NA	Analysis	9056A		1			642167	09/22/23 00:00	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:17	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-29

Lab Sample ID: 400-243351-27

Date Collected: 09/12/23 12:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/21/23 23:18	CAR	EET PEN
Total/NA	Analysis	9056A		1			642175	09/22/23 00:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:21	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-30S

Lab Sample ID: 400-243351-28

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/21/23 23:39	CAR	EET PEN
Total/NA	Analysis	9056A		5			642356	09/22/23 20:08	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:25	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-30D

Lab Sample ID: 400-243351-29

Date Collected: 09/12/23 09:45

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 00:00	CAR	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 11:49	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		100			642866	09/26/23 21:44	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-32S

Lab Sample ID: 400-243351-30

Date Collected: 09/12/23 08:55

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 00:21	CAR	EET PEN
Total/NA	Analysis	9056A		50			642356	09/22/23 20:15	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-32S

Lab Sample ID: 400-243351-30

Date Collected: 09/12/23 08:55

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Total/NA	Analysis	6010D		1			642864	09/26/23 19:33	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-32D

Lab Sample ID: 400-243351-31

Date Collected: 09/12/23 10:10

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 00:42	CAR	EET PEN
Total/NA	Analysis	9056A		10			642175	09/22/23 01:30	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:37	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ENSR-01

Lab Sample ID: 400-243351-32

Date Collected: 09/12/23 09:35

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 01:04	CAR	EET PEN
Total/NA	Analysis	9056A		200			642356	09/22/23 20:23	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		100			642866	09/26/23 21:48	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: EPNG-01

Lab Sample ID: 400-243351-33

Date Collected: 09/12/23 09:10

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 01:25	CAR	EET PEN
Total/NA	Analysis	9056A		50			642364	09/22/23 20:45	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:45	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: EPNG-01

Lab Sample ID: 400-243351-33

Date Collected: 09/12/23 09:10

Matrix: Water

Date Received: 09/13/23 09:20

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			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: PTP-01

Lab Sample ID: 400-243351-34

Date Collected: 09/12/23 09:25

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 01:46	CAR	EET PEN
Total/NA	Analysis	9056A		10			642175	09/22/23 02:07	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 19:49	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-243351-35

Date Collected: 09/12/23 12:15

Matrix: Water

Date Received: 09/13/23 09:20

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	642038	09/22/23 02:07	CAR	EET PEN
Total/NA	Analysis	9056A		1			642175	09/22/23 02:15	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 20:01	LSS	EET PEN
Total/NA	Analysis	120.1		1			641924	09/20/23 14:06	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-243351-36

Date Collected: 09/12/23 13:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 14:40	CAR	EET PEN
Total/NA	Analysis	9056A		10			642175	09/22/23 02:22	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 20:05	LSS	EET PEN
Total/NA	Analysis	120.1		1			641950	09/20/23 16:13	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-243351-36

Date Collected: 09/12/23 13:00

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-243351-37

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 16:47	CAR	EET PEN
Total/NA	Analysis	9056A		50			642364	09/22/23 20:53	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed: 09/26/23 13:40 ¹										
Total/NA	Analysis	6010D		1			642864	09/26/23 20:09	LSS	EET PEN
Total/NA	Analysis	120.1		1			641950	09/20/23 16:13	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: DUP-02

Lab Sample ID: 400-243351-38

Date Collected: 09/12/23 12:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 17:08	CAR	EET PEN
Total/NA	Analysis	9056A		500	10 mL	10 mL	642586	09/26/23 12:09	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed: 09/26/23 13:40 ¹										
Total/NA	Analysis	6010D		100			642866	09/26/23 21:52	LSS	EET PEN
Total/NA	Analysis	120.1		1			641950	09/20/23 16:13	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: DUP-03

Lab Sample ID: 400-243351-39

Date Collected: 09/12/23 09:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 17:29	CAR	EET PEN
Total/NA	Analysis	9056A		10000	10 mL	10 mL	643116	09/28/23 07:19	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed: 09/26/23 13:40 ¹										
Total/NA	Analysis	6010D		100			642866	09/26/23 21:56	LSS	EET PEN
Total/NA	Analysis	120.1		1			641950	09/20/23 16:13	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-04

Lab Sample ID: 400-243351-40

Date Collected: 09/12/23 10:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 17:50	CAR	EET PEN
Total/NA	Analysis	9056A		2			642364	09/22/23 21:00	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
Completed:								09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 20:22	LSS	EET PEN
Total/NA	Analysis	120.1		1			641950	09/20/23 16:13	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-243351-41

Date Collected: 09/12/23 08:00

Matrix: Water

Date Received: 09/13/23 09:20

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	642228	09/22/23 18:11	CAR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-641035/1

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	641035	09/14/23 11:59	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-641038/1

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	641038	09/14/23 12:11	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-641039/1

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	641039	09/14/23 12:12	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-641097/3

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 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641152/5****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	641152	09/15/23 13:45	WPD	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641219/3****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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641439/18****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	641439	09/18/23 10:50	BPO	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641731/1****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	120.1		1			641731	09/19/23 15:17	CAC	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641924/1****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	120.1		1			641924	09/20/23 14:05	CAC	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-641950/1****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	120.1		1			641950	09/20/23 15:37	CAC	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-642038/3****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	642038	09/21/23 17:23	CAR	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642159/13

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			642159	09/21/23 17:44	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642167/41

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			642167	09/21/23 21:22	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642175/65

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			642175	09/22/23 00:22	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642228/3

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	642228	09/22/23 13:48	CAR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642268/1-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/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642434	09/24/23 12:50	LSS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 22:02	LSS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642319/1-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/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
							Completed:	09/25/23 13:41 ¹		
Total/NA	Analysis	6010D		1			642640	09/25/23 14:46	LSS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
							Completed:	09/25/23 13:41 ¹		
Total/NA	Analysis	6010D		1			642850	09/26/23 06:19	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642356/5

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			642356	09/22/23 19:07	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642364/5

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			642364	09/22/23 19:07	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642568/1-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/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40	1	
Total/NA	Analysis	6010D		1			642864	09/26/23 18:07	LSS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-642586/5

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	10 mL	10 mL	642586	09/25/23 18:27	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-643116/95

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	643116	09/28/23 04:01	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-643297/5

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			643297	09/28/23 18:11	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641035/2

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	641035	09/14/23 11:59	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641038/2

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	641038	09/14/23 12:11	HA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641039/2

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	641039	09/14/23 12:12	HA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641097/4

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 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641152/1003

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	641152	09/15/23 12:33	WPD	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641219/4

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 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641439/1002

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	641439	09/18/23 09:17	BPO	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641731/2

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			641731	09/19/23 15:17	CAC	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641924/2

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			641924	09/20/23 14:05	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-641950/2

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			641950	09/20/23 15:37	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642038/1001

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	642038	09/21/23 16:10	CAR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642159/14

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			642159	09/21/23 17:52	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642167/45

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			642167	09/21/23 21:30	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642175/69

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			642175	09/22/23 00:30	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642228/1001

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	642228	09/22/23 12:36	CAR	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642268/2-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/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642434	09/24/23 12:54	LSS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642268	09/22/23 12:10	MS	EET PEN
							Completed:	09/22/23 17:42 ¹		
Total/NA	Analysis	6010D		1			642659	09/25/23 22:06	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642319/2-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/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
							Completed:	09/25/23 13:41 ¹		
Total/NA	Analysis	6010D		1			642640	09/25/23 14:50	LSS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	642319	09/25/23 08:04	MS	EET PEN
							Completed:	09/25/23 13:41 ¹		
Total/NA	Analysis	6010D		1			642850	09/26/23 06:23	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642356/6

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			642356	09/22/23 19:15	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642364/6

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			642364	09/22/23 19:15	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642568/2-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/NA	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 18:11	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-642586/6

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	10 mL	10 mL	642586	09/25/23 18:47	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-643116/96

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	643116	09/28/23 04:21	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-643297/6

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			643297	09/28/23 18:19	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642159/15

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			642159	09/21/23 17:59	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642167/46

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			642167	09/21/23 21:37	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642175/70

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			642175	09/22/23 00:37	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642356/7

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			642356	09/22/23 19:23	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642364/7

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			642364	09/22/23 19:23	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-642586/7

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	10 mL	10 mL	642586	09/25/23 19:07	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-643116/91

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	643116	09/28/23 04:41	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-643297/7

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			643297	09/28/23 18:26	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-641097/2

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 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-641219/2

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 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-04

Lab Sample ID: 400-243351-3 MS

Date Collected: 09/12/23 10:20

Matrix: Water

Date Received: 09/13/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-04**Date Collected: 09/12/23 10:20****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-3 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-09**Date Collected: 09/12/23 12:45****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-7 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	9056A		500	10 mL	10 mL	643116	09/28/23 05:20	JN	EET PEN

Client Sample ID: ACW-09**Date Collected: 09/12/23 12:45****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-7 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	9056A		500	10 mL	10 mL	643116	09/28/23 05:40	JN	EET PEN

Client Sample ID: ACW-11**Date Collected: 09/12/23 13:15****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-9 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	641439	09/18/23 13:47	BPO	EET PEN

Client Sample ID: ACW-11**Date Collected: 09/12/23 13:15****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-9 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	641439	09/18/23 14:12	BPO	EET PEN

Client Sample ID: ACW-13**Date Collected: 09/12/23 14:45****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-11 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Client Sample ID: ACW-13**Date Collected: 09/12/23 14:45****Date Received: 09/13/23 09:20****Lab Sample ID: 400-243351-11 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641097	09/14/23 13:35	SF	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-23

Date Collected: 09/12/23 11:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-21 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	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 18:27	LSS	EET PEN

Client Sample ID: ACW-23

Date Collected: 09/12/23 11:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-21 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	Prep	3010A			50 mL	50 mL	642568	09/26/23 07:48	MS	EET PEN
							Completed:	09/26/23 13:40 ¹		
Total/NA	Analysis	6010D		1			642864	09/26/23 18:30	LSS	EET PEN

Client Sample ID: EPNG-01

Date Collected: 09/12/23 09:10

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-33 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: EPNG-01

Date Collected: 09/12/23 09:10

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-33 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: FMR OXY WELL

Date Collected: 09/12/23 13:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-36 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	642228	09/22/23 15:02	CAR	EET PEN

Client Sample ID: FMR OXY WELL

Date Collected: 09/12/23 13:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-36 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	642228	09/22/23 18:32	CAR	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: DUP-01

Date Collected: 09/12/23 09:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-37 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: DUP-01

Date Collected: 09/12/23 09:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-37 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	SM 4500 S2 D		1	7.5 mL	7.5 mL	641219	09/15/23 09:10	SF	EET PEN

Client Sample ID: ACW-07

Date Collected: 09/12/23 13:50

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-6 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	120.1		1			641731	09/19/23 15:17	CAC	EET PEN

Client Sample ID: ACW-10

Date Collected: 09/12/23 13:40

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-8 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	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN

Client Sample ID: ACW-18

Date Collected: 09/12/23 11:35

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-16 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	120.1		1			641924	09/20/23 14:06	CAC	EET PEN

Client Sample ID: ACW-20

Date Collected: 09/12/23 11:00

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-18 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	5 mL	50 mL	641038	09/14/23 12:11	HA	EET PEN

Client Sample ID: ACW-28

Date Collected: 09/12/23 11:20

Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-26 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	120.1		1			641924	09/20/23 14:06	CAC	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Client Sample ID: ACW-32S
Date Collected: 09/12/23 08:55
Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-30 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	10 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN

Client Sample ID: FMR OXY WELL
Date Collected: 09/12/23 13:00
Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-36 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	120.1		1			641950	09/20/23 16:13	CAC	EET PEN

Client Sample ID: DUP-01
Date Collected: 09/12/23 09:00
Date Received: 09/13/23 09:20

Lab Sample ID: 400-243351-37 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	10 mL	50 mL	641039	09/14/23 12:12	HA	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:
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: 400-243351-1

GC/MS VOA

Analysis Batch: 641152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	8260D	
400-243351-2	ACW-02A	Total/NA	Water	8260D	
400-243351-3	ACW-04	Total/NA	Water	8260D	
400-243351-4	ACW-05	Total/NA	Water	8260D	
400-243351-5	ACW-06	Total/NA	Water	8260D	
400-243351-6	ACW-07	Total/NA	Water	8260D	
400-243351-7	ACW-09	Total/NA	Water	8260D	
400-243351-8	ACW-10	Total/NA	Water	8260D	
MB 400-641152/5	Method Blank	Total/NA	Water	8260D	
LCS 400-641152/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 641439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-9	ACW-11	Total/NA	Water	8260D	
400-243351-10	ACW-12	Total/NA	Water	8260D	
400-243351-11	ACW-13	Total/NA	Water	8260D	
400-243351-12	ACW-14	Total/NA	Water	8260D	
400-243351-13	ACW-15	Total/NA	Water	8260D	
400-243351-14	ACW-16	Total/NA	Water	8260D	
400-243351-15	ACW-17	Total/NA	Water	8260D	
400-243351-16	ACW-18	Total/NA	Water	8260D	
400-243351-17	ACW-19	Total/NA	Water	8260D	
400-243351-18	ACW-20	Total/NA	Water	8260D	
400-243351-19	ACW-21	Total/NA	Water	8260D	
400-243351-20	ACW-22	Total/NA	Water	8260D	
400-243351-21	ACW-23	Total/NA	Water	8260D	
400-243351-22	ACW-24	Total/NA	Water	8260D	
400-243351-23	ACW-25	Total/NA	Water	8260D	
MB 400-641439/18	Method Blank	Total/NA	Water	8260D	
LCS 400-641439/1002	Lab Control Sample	Total/NA	Water	8260D	
400-243351-9 MS	ACW-11	Total/NA	Water	8260D	
400-243351-9 MSD	ACW-11	Total/NA	Water	8260D	

Analysis Batch: 642038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-24	ACW-26	Total/NA	Water	8260D	
400-243351-25	ACW-27	Total/NA	Water	8260D	
400-243351-26	ACW-28	Total/NA	Water	8260D	
400-243351-27	ACW-29	Total/NA	Water	8260D	
400-243351-28	ACW-30S	Total/NA	Water	8260D	
400-243351-29	ACW-30D	Total/NA	Water	8260D	
400-243351-30	ACW-32S	Total/NA	Water	8260D	
400-243351-31	ACW-32D	Total/NA	Water	8260D	
400-243351-32	ENSR-01	Total/NA	Water	8260D	
400-243351-33	EPNG-01	Total/NA	Water	8260D	
400-243351-34	PTP-01	Total/NA	Water	8260D	
400-243351-35	DOOM WELL	Total/NA	Water	8260D	
MB 400-642038/3	Method Blank	Total/NA	Water	8260D	
LCS 400-642038/1001	Lab Control Sample	Total/NA	Water	8260D	

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

GC/MS VOA

Analysis Batch: 642228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-36	FMR OXY WELL	Total/NA	Water	8260D	
400-243351-37	DUP-01	Total/NA	Water	8260D	
400-243351-38	DUP-02	Total/NA	Water	8260D	
400-243351-39	DUP-03	Total/NA	Water	8260D	
400-243351-40	DUP-04	Total/NA	Water	8260D	
400-243351-41	TB-01	Total/NA	Water	8260D	
MB 400-642228/3	Method Blank	Total/NA	Water	8260D	
LCS 400-642228/1001	Lab Control Sample	Total/NA	Water	8260D	
400-243351-36 MS	FMR OXY WELL	Total/NA	Water	8260D	
400-243351-36 MSD	FMR OXY WELL	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 642159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	9056A	
400-243351-2	ACW-02A	Total/NA	Water	9056A	
400-243351-5	ACW-06	Total/NA	Water	9056A	
400-243351-6	ACW-07	Total/NA	Water	9056A	
400-243351-8	ACW-10	Total/NA	Water	9056A	
MB 400-642159/13	Method Blank	Total/NA	Water	9056A	
LCS 400-642159/14	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642159/15	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 642167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-10	ACW-12	Total/NA	Water	9056A	
400-243351-11	ACW-13	Total/NA	Water	9056A	
400-243351-12	ACW-14	Total/NA	Water	9056A	
400-243351-13	ACW-15	Total/NA	Water	9056A	
400-243351-17	ACW-19	Total/NA	Water	9056A	
400-243351-19	ACW-21	Total/NA	Water	9056A	
400-243351-20	ACW-22	Total/NA	Water	9056A	
400-243351-21	ACW-23	Total/NA	Water	9056A	
400-243351-24	ACW-26	Total/NA	Water	9056A	
400-243351-26	ACW-28	Total/NA	Water	9056A	
MB 400-642167/41	Method Blank	Total/NA	Water	9056A	
LCS 400-642167/45	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642167/46	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 642175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-27	ACW-29	Total/NA	Water	9056A	
400-243351-31	ACW-32D	Total/NA	Water	9056A	
400-243351-34	PTP-01	Total/NA	Water	9056A	
400-243351-35	DOOM WELL	Total/NA	Water	9056A	
400-243351-36	FMR OXY WELL	Total/NA	Water	9056A	
MB 400-642175/65	Method Blank	Total/NA	Water	9056A	
LCS 400-642175/69	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642175/70	Lab Control Sample Dup	Total/NA	Water	9056A	

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

HPLC/IC

Analysis Batch: 642356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-4	ACW-05	Total/NA	Water	9056A	
400-243351-28	ACW-30S	Total/NA	Water	9056A	
400-243351-30	ACW-32S	Total/NA	Water	9056A	
400-243351-32	ENSR-01	Total/NA	Water	9056A	
MB 400-642356/5	Method Blank	Total/NA	Water	9056A	
LCS 400-642356/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642356/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 642364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-33	EPNG-01	Total/NA	Water	9056A	
400-243351-37	DUP-01	Total/NA	Water	9056A	
400-243351-40	DUP-04	Total/NA	Water	9056A	
MB 400-642364/5	Method Blank	Total/NA	Water	9056A	
LCS 400-642364/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642364/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 642586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-7	ACW-09	Total/NA	Water	9056A	
400-243351-14	ACW-16	Total/NA	Water	9056A	
400-243351-15	ACW-17	Total/NA	Water	9056A	
400-243351-18	ACW-20	Total/NA	Water	9056A	
400-243351-22	ACW-24	Total/NA	Water	9056A	
400-243351-23	ACW-25	Total/NA	Water	9056A	
400-243351-25	ACW-27	Total/NA	Water	9056A	
400-243351-29	ACW-30D	Total/NA	Water	9056A	
400-243351-38	DUP-02	Total/NA	Water	9056A	
MB 400-642586/5	Method Blank	Total/NA	Water	9056A	
LCS 400-642586/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-642586/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 643116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-3	ACW-04	Total/NA	Water	9056A	
400-243351-9	ACW-11	Total/NA	Water	9056A	
400-243351-39	DUP-03	Total/NA	Water	9056A	
MB 400-643116/95	Method Blank	Total/NA	Water	9056A	
LCS 400-643116/96	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-643116/91	Lab Control Sample Dup	Total/NA	Water	9056A	
400-243351-7 MS	ACW-09	Total/NA	Water	9056A	
400-243351-7 MSD	ACW-09	Total/NA	Water	9056A	

Analysis Batch: 643297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-16	ACW-18	Total/NA	Water	9056A	
MB 400-643297/5	Method Blank	Total/NA	Water	9056A	
LCS 400-643297/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-643297/7	Lab Control Sample Dup	Total/NA	Water	9056A	

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QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Metals

Prep Batch: 642268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	3010A	
400-243351-2	ACW-02A	Total/NA	Water	3010A	
400-243351-3	ACW-04	Total/NA	Water	3010A	
400-243351-4	ACW-05	Total/NA	Water	3010A	
400-243351-5	ACW-06	Total/NA	Water	3010A	
400-243351-6	ACW-07	Total/NA	Water	3010A	
400-243351-7	ACW-09	Total/NA	Water	3010A	
400-243351-8	ACW-10	Total/NA	Water	3010A	
400-243351-9	ACW-11	Total/NA	Water	3010A	
400-243351-10	ACW-12	Total/NA	Water	3010A	
400-243351-11	ACW-13	Total/NA	Water	3010A	
400-243351-12	ACW-14	Total/NA	Water	3010A	
400-243351-13	ACW-15	Total/NA	Water	3010A	
400-243351-14	ACW-16	Total/NA	Water	3010A	
400-243351-15	ACW-17	Total/NA	Water	3010A	
MB 400-642268/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-642268/2-A	Lab Control Sample	Total/NA	Water	3010A	

Prep Batch: 642319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-16	ACW-18	Total/NA	Water	3010A	
400-243351-17	ACW-19	Total/NA	Water	3010A	
400-243351-18	ACW-20	Total/NA	Water	3010A	
400-243351-19	ACW-21	Total/NA	Water	3010A	
400-243351-20	ACW-22	Total/NA	Water	3010A	
MB 400-642319/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-642319/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 642434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-642268/1-A	Method Blank	Total/NA	Water	6010D	642268
LCS 400-642268/2-A	Lab Control Sample	Total/NA	Water	6010D	642268

Prep Batch: 642568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-21	ACW-23	Total/NA	Water	3010A	
400-243351-22	ACW-24	Total/NA	Water	3010A	
400-243351-23	ACW-25	Total/NA	Water	3010A	
400-243351-24	ACW-26	Total/NA	Water	3010A	
400-243351-25	ACW-27	Total/NA	Water	3010A	
400-243351-26	ACW-28	Total/NA	Water	3010A	
400-243351-27	ACW-29	Total/NA	Water	3010A	
400-243351-28	ACW-30S	Total/NA	Water	3010A	
400-243351-29	ACW-30D	Total/NA	Water	3010A	
400-243351-30	ACW-32S	Total/NA	Water	3010A	
400-243351-31	ACW-32D	Total/NA	Water	3010A	
400-243351-32	ENSR-01	Total/NA	Water	3010A	
400-243351-33	EPNG-01	Total/NA	Water	3010A	
400-243351-34	PTP-01	Total/NA	Water	3010A	
400-243351-35	DOOM WELL	Total/NA	Water	3010A	
400-243351-36	FMR OXY WELL	Total/NA	Water	3010A	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Metals (Continued)

Prep Batch: 642568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-37	DUP-01	Total/NA	Water	3010A	
400-243351-38	DUP-02	Total/NA	Water	3010A	
400-243351-39	DUP-03	Total/NA	Water	3010A	
400-243351-40	DUP-04	Total/NA	Water	3010A	
MB 400-642568/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-642568/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-243351-21 MS	ACW-23	Total/NA	Water	3010A	
400-243351-21 MSD	ACW-23	Total/NA	Water	3010A	

Analysis Batch: 642640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-17	ACW-19	Total/NA	Water	6010D	642319
400-243351-19	ACW-21	Total/NA	Water	6010D	642319
400-243351-20	ACW-22	Total/NA	Water	6010D	642319
MB 400-642319/1-A	Method Blank	Total/NA	Water	6010D	642319
LCS 400-642319/2-A	Lab Control Sample	Total/NA	Water	6010D	642319

Analysis Batch: 642659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	6010D	642268
400-243351-2	ACW-02A	Total/NA	Water	6010D	642268
400-243351-3	ACW-04	Total/NA	Water	6010D	642268
400-243351-4	ACW-05	Total/NA	Water	6010D	642268
400-243351-5	ACW-06	Total/NA	Water	6010D	642268
400-243351-6	ACW-07	Total/NA	Water	6010D	642268
400-243351-7	ACW-09	Total/NA	Water	6010D	642268
400-243351-8	ACW-10	Total/NA	Water	6010D	642268
400-243351-9	ACW-11	Total/NA	Water	6010D	642268
400-243351-10	ACW-12	Total/NA	Water	6010D	642268
400-243351-11	ACW-13	Total/NA	Water	6010D	642268
400-243351-12	ACW-14	Total/NA	Water	6010D	642268
400-243351-13	ACW-15	Total/NA	Water	6010D	642268
400-243351-14	ACW-16	Total/NA	Water	6010D	642268
400-243351-15	ACW-17	Total/NA	Water	6010D	642268
MB 400-642268/1-A	Method Blank	Total/NA	Water	6010D	642268
LCS 400-642268/2-A	Lab Control Sample	Total/NA	Water	6010D	642268

Analysis Batch: 642850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-16	ACW-18	Total/NA	Water	6010D	642319
400-243351-18	ACW-20	Total/NA	Water	6010D	642319
MB 400-642319/1-A	Method Blank	Total/NA	Water	6010D	642319
LCS 400-642319/2-A	Lab Control Sample	Total/NA	Water	6010D	642319

Analysis Batch: 642864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-21	ACW-23	Total/NA	Water	6010D	642568
400-243351-24	ACW-26	Total/NA	Water	6010D	642568
400-243351-25	ACW-27	Total/NA	Water	6010D	642568
400-243351-26	ACW-28	Total/NA	Water	6010D	642568
400-243351-27	ACW-29	Total/NA	Water	6010D	642568

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QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Metals (Continued)

Analysis Batch: 642864 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-28	ACW-30S	Total/NA	Water	6010D	642568
400-243351-30	ACW-32S	Total/NA	Water	6010D	642568
400-243351-31	ACW-32D	Total/NA	Water	6010D	642568
400-243351-33	EPNG-01	Total/NA	Water	6010D	642568
400-243351-34	PTP-01	Total/NA	Water	6010D	642568
400-243351-35	DOOM WELL	Total/NA	Water	6010D	642568
400-243351-36	FMR OXY WELL	Total/NA	Water	6010D	642568
400-243351-37	DUP-01	Total/NA	Water	6010D	642568
400-243351-40	DUP-04	Total/NA	Water	6010D	642568
MB 400-642568/1-A	Method Blank	Total/NA	Water	6010D	642568
LCS 400-642568/2-A	Lab Control Sample	Total/NA	Water	6010D	642568
400-243351-21 MS	ACW-23	Total/NA	Water	6010D	642568
400-243351-21 MSD	ACW-23	Total/NA	Water	6010D	642568

Analysis Batch: 642866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-22	ACW-24	Total/NA	Water	6010D	642568
400-243351-23	ACW-25	Total/NA	Water	6010D	642568
400-243351-29	ACW-30D	Total/NA	Water	6010D	642568
400-243351-32	ENSR-01	Total/NA	Water	6010D	642568
400-243351-38	DUP-02	Total/NA	Water	6010D	642568
400-243351-39	DUP-03	Total/NA	Water	6010D	642568

General Chemistry

Analysis Batch: 641035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	SM 2540C	
400-243351-2	ACW-02A	Total/NA	Water	SM 2540C	
400-243351-3	ACW-04	Total/NA	Water	SM 2540C	
400-243351-4	ACW-05	Total/NA	Water	SM 2540C	
400-243351-5	ACW-06	Total/NA	Water	SM 2540C	
400-243351-6	ACW-07	Total/NA	Water	SM 2540C	
400-243351-7	ACW-09	Total/NA	Water	SM 2540C	
MB 400-641035/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-641035/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 641038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-8	ACW-10	Total/NA	Water	SM 2540C	
400-243351-9	ACW-11	Total/NA	Water	SM 2540C	
400-243351-10	ACW-12	Total/NA	Water	SM 2540C	
400-243351-11	ACW-13	Total/NA	Water	SM 2540C	
400-243351-12	ACW-14	Total/NA	Water	SM 2540C	
400-243351-13	ACW-15	Total/NA	Water	SM 2540C	
400-243351-14	ACW-16	Total/NA	Water	SM 2540C	
400-243351-15	ACW-17	Total/NA	Water	SM 2540C	
400-243351-16	ACW-18	Total/NA	Water	SM 2540C	
400-243351-17	ACW-19	Total/NA	Water	SM 2540C	
400-243351-18	ACW-20	Total/NA	Water	SM 2540C	
400-243351-19	ACW-21	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

General Chemistry (Continued)

Analysis Batch: 641038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-20	ACW-22	Total/NA	Water	SM 2540C	
400-243351-21	ACW-23	Total/NA	Water	SM 2540C	
400-243351-22	ACW-24	Total/NA	Water	SM 2540C	
400-243351-23	ACW-25	Total/NA	Water	SM 2540C	
400-243351-24	ACW-26	Total/NA	Water	SM 2540C	
400-243351-25	ACW-27	Total/NA	Water	SM 2540C	
400-243351-26	ACW-28	Total/NA	Water	SM 2540C	
400-243351-27	ACW-29	Total/NA	Water	SM 2540C	
MB 400-641038/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-641038/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-243351-8 DU	ACW-10	Total/NA	Water	SM 2540C	
400-243351-18 DU	ACW-20	Total/NA	Water	SM 2540C	

Analysis Batch: 641039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-28	ACW-30S	Total/NA	Water	SM 2540C	
400-243351-29	ACW-30D	Total/NA	Water	SM 2540C	
400-243351-30	ACW-32S	Total/NA	Water	SM 2540C	
400-243351-31	ACW-32D	Total/NA	Water	SM 2540C	
400-243351-32	ENSR-01	Total/NA	Water	SM 2540C	
400-243351-33	EPNG-01	Total/NA	Water	SM 2540C	
400-243351-34	PTP-01	Total/NA	Water	SM 2540C	
400-243351-35	DOOM WELL	Total/NA	Water	SM 2540C	
400-243351-36	FMR OXY WELL	Total/NA	Water	SM 2540C	
400-243351-37	DUP-01	Total/NA	Water	SM 2540C	
400-243351-38	DUP-02	Total/NA	Water	SM 2540C	
400-243351-39	DUP-03	Total/NA	Water	SM 2540C	
400-243351-40	DUP-04	Total/NA	Water	SM 2540C	
MB 400-641039/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-641039/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-243351-30 DU	ACW-32S	Total/NA	Water	SM 2540C	
400-243351-37 DU	DUP-01	Total/NA	Water	SM 2540C	

Analysis Batch: 641097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	SM 4500 S2 D	
400-243351-2	ACW-02A	Total/NA	Water	SM 4500 S2 D	
400-243351-3	ACW-04	Total/NA	Water	SM 4500 S2 D	
400-243351-4	ACW-05	Total/NA	Water	SM 4500 S2 D	
400-243351-5	ACW-06	Total/NA	Water	SM 4500 S2 D	
400-243351-6	ACW-07	Total/NA	Water	SM 4500 S2 D	
400-243351-7	ACW-09	Total/NA	Water	SM 4500 S2 D	
400-243351-8	ACW-10	Total/NA	Water	SM 4500 S2 D	
400-243351-9	ACW-11	Total/NA	Water	SM 4500 S2 D	
400-243351-10	ACW-12	Total/NA	Water	SM 4500 S2 D	
400-243351-11	ACW-13	Total/NA	Water	SM 4500 S2 D	
400-243351-12	ACW-14	Total/NA	Water	SM 4500 S2 D	
400-243351-13	ACW-15	Total/NA	Water	SM 4500 S2 D	
400-243351-14	ACW-16	Total/NA	Water	SM 4500 S2 D	
400-243351-15	ACW-17	Total/NA	Water	SM 4500 S2 D	
400-243351-16	ACW-18	Total/NA	Water	SM 4500 S2 D	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

General Chemistry (Continued)

Analysis Batch: 641097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-17	ACW-19	Total/NA	Water	SM 4500 S2 D	
400-243351-18	ACW-20	Total/NA	Water	SM 4500 S2 D	
400-243351-19	ACW-21	Total/NA	Water	SM 4500 S2 D	
400-243351-20	ACW-22	Total/NA	Water	SM 4500 S2 D	
MB 400-641097/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 400-641097/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MRL 400-641097/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
400-243351-3 MS	ACW-04	Total/NA	Water	SM 4500 S2 D	
400-243351-3 MSD	ACW-04	Total/NA	Water	SM 4500 S2 D	
400-243351-11 MS	ACW-13	Total/NA	Water	SM 4500 S2 D	
400-243351-11 MSD	ACW-13	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 641219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-21	ACW-23	Total/NA	Water	SM 4500 S2 D	
400-243351-22	ACW-24	Total/NA	Water	SM 4500 S2 D	
400-243351-23	ACW-25	Total/NA	Water	SM 4500 S2 D	
400-243351-24	ACW-26	Total/NA	Water	SM 4500 S2 D	
400-243351-25	ACW-27	Total/NA	Water	SM 4500 S2 D	
400-243351-26	ACW-28	Total/NA	Water	SM 4500 S2 D	
400-243351-27	ACW-29	Total/NA	Water	SM 4500 S2 D	
400-243351-28	ACW-30S	Total/NA	Water	SM 4500 S2 D	
400-243351-29	ACW-30D	Total/NA	Water	SM 4500 S2 D	
400-243351-30	ACW-32S	Total/NA	Water	SM 4500 S2 D	
400-243351-31	ACW-32D	Total/NA	Water	SM 4500 S2 D	
400-243351-32	ENSR-01	Total/NA	Water	SM 4500 S2 D	
400-243351-33	EPNG-01	Total/NA	Water	SM 4500 S2 D	
400-243351-34	PTP-01	Total/NA	Water	SM 4500 S2 D	
400-243351-35	DOOM WELL	Total/NA	Water	SM 4500 S2 D	
400-243351-36	FMR OXY WELL	Total/NA	Water	SM 4500 S2 D	
400-243351-37	DUP-01	Total/NA	Water	SM 4500 S2 D	
400-243351-38	DUP-02	Total/NA	Water	SM 4500 S2 D	
400-243351-39	DUP-03	Total/NA	Water	SM 4500 S2 D	
400-243351-40	DUP-04	Total/NA	Water	SM 4500 S2 D	
MB 400-641219/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 400-641219/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MRL 400-641219/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
400-243351-33 MS	EPNG-01	Total/NA	Water	SM 4500 S2 D	
400-243351-33 MSD	EPNG-01	Total/NA	Water	SM 4500 S2 D	
400-243351-37 MS	DUP-01	Total/NA	Water	SM 4500 S2 D	
400-243351-37 MSD	DUP-01	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 641731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-1	ACW-01	Total/NA	Water	120.1	
400-243351-2	ACW-02A	Total/NA	Water	120.1	
400-243351-3	ACW-04	Total/NA	Water	120.1	
400-243351-4	ACW-05	Total/NA	Water	120.1	
400-243351-5	ACW-06	Total/NA	Water	120.1	
400-243351-6	ACW-07	Total/NA	Water	120.1	
400-243351-7	ACW-09	Total/NA	Water	120.1	

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QC Association Summary

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

General Chemistry (Continued)

Analysis Batch: 641731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-8	ACW-10	Total/NA	Water	120.1	
400-243351-9	ACW-11	Total/NA	Water	120.1	
400-243351-10	ACW-12	Total/NA	Water	120.1	
400-243351-11	ACW-13	Total/NA	Water	120.1	
400-243351-12	ACW-14	Total/NA	Water	120.1	
400-243351-13	ACW-15	Total/NA	Water	120.1	
400-243351-14	ACW-16	Total/NA	Water	120.1	
400-243351-15	ACW-17	Total/NA	Water	120.1	
MB 400-641731/1	Method Blank	Total/NA	Water	120.1	
LCS 400-641731/2	Lab Control Sample	Total/NA	Water	120.1	
400-243351-6 DU	ACW-07	Total/NA	Water	120.1	

Analysis Batch: 641924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-16	ACW-18	Total/NA	Water	120.1	
400-243351-17	ACW-19	Total/NA	Water	120.1	
400-243351-18	ACW-20	Total/NA	Water	120.1	
400-243351-19	ACW-21	Total/NA	Water	120.1	
400-243351-20	ACW-22	Total/NA	Water	120.1	
400-243351-21	ACW-23	Total/NA	Water	120.1	
400-243351-22	ACW-24	Total/NA	Water	120.1	
400-243351-23	ACW-25	Total/NA	Water	120.1	
400-243351-24	ACW-26	Total/NA	Water	120.1	
400-243351-25	ACW-27	Total/NA	Water	120.1	
400-243351-26	ACW-28	Total/NA	Water	120.1	
400-243351-27	ACW-29	Total/NA	Water	120.1	
400-243351-28	ACW-30S	Total/NA	Water	120.1	
400-243351-29	ACW-30D	Total/NA	Water	120.1	
400-243351-30	ACW-32S	Total/NA	Water	120.1	
400-243351-31	ACW-32D	Total/NA	Water	120.1	
400-243351-32	ENSR-01	Total/NA	Water	120.1	
400-243351-33	EPNG-01	Total/NA	Water	120.1	
400-243351-34	PTP-01	Total/NA	Water	120.1	
400-243351-35	DOOM WELL	Total/NA	Water	120.1	
MB 400-641924/1	Method Blank	Total/NA	Water	120.1	
LCS 400-641924/2	Lab Control Sample	Total/NA	Water	120.1	
400-243351-16 DU	ACW-18	Total/NA	Water	120.1	
400-243351-26 DU	ACW-28	Total/NA	Water	120.1	

Analysis Batch: 641950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243351-36	FMR OXY WELL	Total/NA	Water	120.1	
400-243351-37	DUP-01	Total/NA	Water	120.1	
400-243351-38	DUP-02	Total/NA	Water	120.1	
400-243351-39	DUP-03	Total/NA	Water	120.1	
400-243351-40	DUP-04	Total/NA	Water	120.1	
MB 400-641950/1	Method Blank	Total/NA	Water	120.1	
LCS 400-641950/2	Lab Control Sample	Total/NA	Water	120.1	
400-243351-36 DU	FMR OXY WELL	Total/NA	Water	120.1	

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-641152/5

Matrix: Water

Analysis Batch: 641152

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			09/15/23 13:45	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/15/23 13:45	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/15/23 13:45	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/15/23 13:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 130		09/15/23 13:45	1
Dibromofluoromethane	103		75 - 126		09/15/23 13:45	1
Toluene-d8 (Surr)	104		64 - 132		09/15/23 13:45	1

Lab Sample ID: LCS 400-641152/1003

Matrix: Water

Analysis Batch: 641152

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	0.0492		mg/L		98	70 - 130
Ethylbenzene	0.0500	0.0493		mg/L		99	70 - 130
Toluene	0.0500	0.0517		mg/L		103	70 - 130
Xylenes, Total	0.100	0.0951		mg/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	87		72 - 130
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	101		64 - 132

Lab Sample ID: MB 400-641439/18

Matrix: Water

Analysis Batch: 641439

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			09/18/23 10:50	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/18/23 10:50	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/18/23 10:50	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/18/23 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 130		09/18/23 10:50	1
Dibromofluoromethane	94		75 - 126		09/18/23 10:50	1
Toluene-d8 (Surr)	104		64 - 132		09/18/23 10:50	1

Lab Sample ID: LCS 400-641439/1002

Matrix: Water

Analysis Batch: 641439

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	0.0554		mg/L		111	70 - 130
Ethylbenzene	0.0500	0.0552		mg/L		110	70 - 130
Toluene	0.0500	0.0560		mg/L		112	70 - 130

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-641439/1002

Matrix: Water

Analysis Batch: 641439

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	0.110		mg/L		110	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	108		72 - 130				
Dibromofluoromethane	95		75 - 126				
Toluene-d8 (Surr)	100		64 - 132				

Lab Sample ID: 400-243351-9 MS

Matrix: Water

Analysis Batch: 641439

Client Sample ID: ACW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.020		0.0500	0.0699		mg/L		100	56 - 142
Ethylbenzene	<0.00050		0.0500	0.0481		mg/L		96	58 - 131
Toluene	<0.00090		0.0500	0.0494		mg/L		99	65 - 130
Xylenes, Total	<0.0016		0.100	0.0947		mg/L		95	59 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	108		72 - 130						
Dibromofluoromethane	88		75 - 126						
Toluene-d8 (Surr)	101		64 - 132						

Lab Sample ID: 400-243351-9 MSD

Matrix: Water

Analysis Batch: 641439

Client Sample ID: ACW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.020		0.0500	0.0673		mg/L		94	56 - 142	4	30
Ethylbenzene	<0.00050		0.0500	0.0463		mg/L		93	58 - 131	4	30
Toluene	<0.00090		0.0500	0.0470		mg/L		94	65 - 130	5	30
Xylenes, Total	<0.0016		0.100	0.0896		mg/L		90	59 - 130	6	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	109		72 - 130								
Dibromofluoromethane	88		75 - 126								
Toluene-d8 (Surr)	101		64 - 132								

Lab Sample ID: MB 400-642038/3

Matrix: Water

Analysis Batch: 642038

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			09/21/23 17:23	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/23 17:23	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/21/23 17:23	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/23 17:23	1

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-642038/3

Matrix: Water

Analysis Batch: 642038

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 130		09/21/23 17:23	1
Dibromofluoromethane	104		75 - 126		09/21/23 17:23	1
Toluene-d8 (Surr)	105		64 - 132		09/21/23 17:23	1

Lab Sample ID: LCS 400-642038/1001

Matrix: Water

Analysis Batch: 642038

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	0.0534		mg/L		107	70 - 130
Ethylbenzene	0.0500	0.0563		mg/L		113	70 - 130
Toluene	0.0500	0.0583		mg/L		117	70 - 130
Xylenes, Total	0.100	0.107		mg/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	87		72 - 130
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	104		64 - 132

Lab Sample ID: MB 400-642228/3

Matrix: Water

Analysis Batch: 642228

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			09/22/23 13:48	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/22/23 13:48	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/22/23 13:48	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/22/23 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 130		09/22/23 13:48	1
Dibromofluoromethane	102		75 - 126		09/22/23 13:48	1
Toluene-d8 (Surr)	104		64 - 132		09/22/23 13:48	1

Lab Sample ID: LCS 400-642228/1001

Matrix: Water

Analysis Batch: 642228

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	0.0522		mg/L		104	70 - 130
Ethylbenzene	0.0500	0.0544		mg/L		109	70 - 130
Toluene	0.0500	0.0565		mg/L		113	70 - 130
Xylenes, Total	0.100	0.106		mg/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	86		72 - 130
Dibromofluoromethane	101		75 - 126

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-642228/1001

Matrix: Water

Analysis Batch: 642228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	103		64 - 132

Lab Sample ID: 400-243351-36 MS

Matrix: Water

Analysis Batch: 642228

Client Sample ID: FMR OXY WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0011		0.0500	0.0571		mg/L		112	56 - 142
Ethylbenzene	<0.00050		0.0500	0.0554		mg/L		111	58 - 131
Toluene	<0.00090		0.0500	0.0587		mg/L		117	65 - 130
Xylenes, Total	<0.0016		0.100	0.107		mg/L		107	59 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	86		72 - 130
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	102		64 - 132

Lab Sample ID: 400-243351-36 MSD

Matrix: Water

Analysis Batch: 642228

Client Sample ID: FMR OXY WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0011		0.0500	0.0508		mg/L		100	56 - 142	12	30
Ethylbenzene	<0.00050		0.0500	0.0522		mg/L		104	58 - 131	6	30
Toluene	<0.00090		0.0500	0.0538		mg/L		108	65 - 130	9	30
Xylenes, Total	<0.0016		0.100	0.0983		mg/L		98	59 - 130	8	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	86		72 - 130
Dibromofluoromethane	101		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-642159/13

Matrix: Water

Analysis Batch: 642159

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			09/21/23 17:44	1

Lab Sample ID: LCS 400-642159/14

Matrix: Water

Analysis Batch: 642159

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	9.08		mg/L		91	90 - 110

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-642159/15

Matrix: Water

Analysis Batch: 642159

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	9.08		mg/L		91	90 - 110	0	15

Lab Sample ID: MB 400-642167/41

Matrix: Water

Analysis Batch: 642167

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			09/21/23 21:22	1

Lab Sample ID: LCS 400-642167/45

Matrix: Water

Analysis Batch: 642167

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	9.18		mg/L		92	90 - 110		

Lab Sample ID: LCSD 400-642167/46

Matrix: Water

Analysis Batch: 642167

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	9.21		mg/L		92	90 - 110	0	15

Lab Sample ID: MB 400-642175/65

Matrix: Water

Analysis Batch: 642175

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			09/22/23 00:22	1

Lab Sample ID: LCS 400-642175/69

Matrix: Water

Analysis Batch: 642175

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	9.27		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-642175/70

Matrix: Water

Analysis Batch: 642175

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	9.28		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 400-642356/5

Matrix: Water

Analysis Batch: 642356

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			09/22/23 19:07	1

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: LCS 400-642356/6
Matrix: Water
Analysis Batch: 642356

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	9.52		mg/L		95	90 - 110

Lab Sample ID: LCSD 400-642356/7
Matrix: Water
Analysis Batch: 642356

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	9.51		mg/L		95	90 - 110	0	15

Lab Sample ID: MB 400-642364/5
Matrix: Water
Analysis Batch: 642364

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			09/22/23 19:07	1

Lab Sample ID: LCS 400-642364/6
Matrix: Water
Analysis Batch: 642364

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	9.52		mg/L		95	90 - 110

Lab Sample ID: LCSD 400-642364/7
Matrix: Water
Analysis Batch: 642364

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	9.51		mg/L		95	90 - 110	0	15

Lab Sample ID: MB 400-642586/5
Matrix: Water
Analysis Batch: 642586

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			09/25/23 18:27	1

Lab Sample ID: LCS 400-642586/6
Matrix: Water
Analysis Batch: 642586

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	10.0		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-642586/7
Matrix: Water
Analysis Batch: 642586

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	10.0		mg/L		100	90 - 110	0	15

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-643116/95

Matrix: Water

Analysis Batch: 643116

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			09/28/23 04:01	1

Lab Sample ID: LCS 400-643116/96

Matrix: Water

Analysis Batch: 643116

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 400-643116/91

Matrix: Water

Analysis Batch: 643116

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	9.92		mg/L		99	90 - 110	2	15

Lab Sample ID: 400-243351-7 MS

Matrix: Water

Analysis Batch: 643116

Client Sample ID: ACW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11000	F1	5000	16200		mg/L		108	80 - 120

Lab Sample ID: 400-243351-7 MSD

Matrix: Water

Analysis Batch: 643116

Client Sample ID: ACW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11000	F1	5000	16900	F1	mg/L		121	80 - 120	4	20

Lab Sample ID: MB 400-643297/5

Matrix: Water

Analysis Batch: 643297

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			09/28/23 18:11	1

Lab Sample ID: LCS 400-643297/6

Matrix: Water

Analysis Batch: 643297

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	9.39		mg/L		94	90 - 110

Lab Sample ID: LCSD 400-643297/7

Matrix: Water

Analysis Batch: 643297

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	9.41		mg/L		94	90 - 110	0	15

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-642268/1-A

Matrix: Water

Analysis Batch: 642434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/22/23 12:10	09/24/23 12:50	1

Lab Sample ID: MB 400-642268/1-A

Matrix: Water

Analysis Batch: 642659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/22/23 12:10	09/25/23 22:02	1

Lab Sample ID: LCS 400-642268/2-A

Matrix: Water

Analysis Batch: 642434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.3		mg/L		103	80 - 120

Lab Sample ID: LCS 400-642268/2-A

Matrix: Water

Analysis Batch: 642659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	9.44		mg/L		94	80 - 120

Lab Sample ID: MB 400-642319/1-A

Matrix: Water

Analysis Batch: 642640

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/25/23 08:04	09/25/23 14:46	1

Lab Sample ID: MB 400-642319/1-A

Matrix: Water

Analysis Batch: 642850

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/25/23 08:04	09/26/23 06:19	1

Lab Sample ID: LCS 400-642319/2-A

Matrix: Water

Analysis Batch: 642640

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.2		mg/L		102	80 - 120

Lab Sample ID: LCS 400-642319/2-A

Matrix: Water

Analysis Batch: 642850

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.3		mg/L		103	80 - 120

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-642568/1-A

Matrix: Water

Analysis Batch: 642864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/26/23 07:48	09/26/23 18:07	1

Lab Sample ID: LCS 400-642568/2-A

Matrix: Water

Analysis Batch: 642864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642568

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.4		mg/L		104	80 - 120

Lab Sample ID: 400-243351-21 MS

Matrix: Water

Analysis Batch: 642864

Client Sample ID: ACW-23

Prep Type: Total/NA

Prep Batch: 642568

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	340		10.0	349	4	mg/L		81	75 - 125

Lab Sample ID: 400-243351-21 MSD

Matrix: Water

Analysis Batch: 642864

Client Sample ID: ACW-23

Prep Type: Total/NA

Prep Batch: 642568

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	340		10.0	351	4	mg/L		105	75 - 125	1	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-641731/1

Matrix: Water

Analysis Batch: 641731

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			09/19/23 15:17	1

Lab Sample ID: LCS 400-641731/2

Matrix: Water

Analysis Batch: 641731

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		96	90 - 110

Lab Sample ID: 400-243351-6 DU

Matrix: Water

Analysis Batch: 641731

Client Sample ID: ACW-07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	8500		8530		umhos/cm		0	10

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: MB 400-641924/1

Matrix: Water

Analysis Batch: 641924

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			09/20/23 14:05	1

Lab Sample ID: LCS 400-641924/2

Matrix: Water

Analysis Batch: 641924

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		99	90 - 110

Lab Sample ID: 400-243351-16 DU

Matrix: Water

Analysis Batch: 641924

Client Sample ID: ACW-18

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	110000		114000		umhos/cm		0.9	10

Lab Sample ID: 400-243351-26 DU

Matrix: Water

Analysis Batch: 641924

Client Sample ID: ACW-28

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	630		634		umhos/cm		0.6	10

Lab Sample ID: MB 400-641950/1

Matrix: Water

Analysis Batch: 641950

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			09/20/23 15:37	1

Lab Sample ID: LCS 400-641950/2

Matrix: Water

Analysis Batch: 641950

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		92	90 - 110

Lab Sample ID: 400-243351-36 DU

Matrix: Water

Analysis Batch: 641950

Client Sample ID: FMR OXY WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	1600		1560		umhos/cm		0.06	10

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-641035/1

Matrix: Water

Analysis Batch: 641035

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			09/14/23 11:59	1

Lab Sample ID: LCS 400-641035/2

Matrix: Water

Analysis Batch: 641035

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	292		mg/L		100	78 - 122

Lab Sample ID: MB 400-641038/1

Matrix: Water

Analysis Batch: 641038

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			09/14/23 12:11	1

Lab Sample ID: LCS 400-641038/2

Matrix: Water

Analysis Batch: 641038

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: 400-243351-8 DU

Matrix: Water

Analysis Batch: 641038

Client Sample ID: ACW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	13000		13200		mg/L		0.2	5

Lab Sample ID: 400-243351-18 DU

Matrix: Water

Analysis Batch: 641038

Client Sample ID: ACW-20

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	100000		107000		mg/L		3	5

Lab Sample ID: MB 400-641039/1

Matrix: Water

Analysis Batch: 641039

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			09/14/23 12:12	1

Lab Sample ID: LCS 400-641039/2

Matrix: Water

Analysis Batch: 641039

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	302		mg/L		103	78 - 122

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 400-243351-30 DU

Matrix: Water

Analysis Batch: 641039

Client Sample ID: ACW-32S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2400		2180	F3	mg/L		9	5

Lab Sample ID: 400-243351-37 DU

Matrix: Water

Analysis Batch: 641039

Client Sample ID: DUP-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2600		2360	F3	mg/L		8	5

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 400-641097/3

Matrix: Water

Analysis Batch: 641097

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			09/14/23 13:35	1
Sulfide as H2S	<0.061		0.11	0.061	mg/L			09/14/23 13:35	1

Lab Sample ID: LCS 400-641097/4

Matrix: Water

Analysis Batch: 641097

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.530	0.530		mg/L		100	80 - 120
Sulfide as H2S	0.530	0.562		mg/L		106	80 - 120

Lab Sample ID: MRL 400-641097/2

Matrix: Water

Analysis Batch: 641097

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.133	0.135		mg/L		102	50 - 150
Sulfide as H2S	0.133	0.143		mg/L		108	50 - 150

Lab Sample ID: 400-243351-3 MS

Matrix: Water

Analysis Batch: 641097

Client Sample ID: ACW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.20	F1	0.532	0.524	F1	mg/L		60	75 - 125
Sulfide as H2S	0.22	F1	0.532	0.556	F1	mg/L		64	75 - 125

Lab Sample ID: 400-243351-3 MSD

Matrix: Water

Analysis Batch: 641097

Client Sample ID: ACW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.20	F1	0.532	0.565	F1	mg/L		68	75 - 125	7	25
Sulfide as H2S	0.22	F1	0.532	0.599	F1	mg/L		72	75 - 125	7	25

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QC Sample Results

Client: AECOM

Job ID: 400-243351-1

Project/Site: Jal #4 Gas Plant RWIP

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: 400-243351-11 MS

Matrix: Water

Analysis Batch: 641097

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	F1	0.532	0.394	F1	mg/L		74	75 - 125		
Sulfide as H2S	<0.061		0.532	0.418		mg/L		79	75 - 125		

Lab Sample ID: 400-243351-11 MSD

Matrix: Water

Analysis Batch: 641097

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	F1	0.532	0.408		mg/L		77	75 - 125	4	25
Sulfide as H2S	<0.061		0.532	0.433		mg/L		81	75 - 125	4	25

Lab Sample ID: MB 400-641219/3

Matrix: Water

Analysis Batch: 641219

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			09/15/23 09:10	1
Sulfide as H2S	<0.061		0.11	0.061	mg/L			09/15/23 09:10	1

Lab Sample ID: LCS 400-641219/4

Matrix: Water

Analysis Batch: 641219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	0.530	0.442		mg/L		83	80 - 120		
Sulfide as H2S	0.530	0.468		mg/L		88	80 - 120		

Lab Sample ID: MRL 400-641219/2

Matrix: Water

Analysis Batch: 641219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	0.133	0.106		mg/L		79	50 - 150		
Sulfide as H2S	0.133	0.112		mg/L		84	50 - 150		

Lab Sample ID: 400-243351-33 MS

Matrix: Water

Analysis Batch: 641219

Client Sample ID: EPNG-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	0.37	F1	0.532	0.727	F1	mg/L		68	75 - 125		
Sulfide as H2S	0.39	F1	0.532	0.770	F1	mg/L		72	75 - 125		

Lab Sample ID: 400-243351-33 MSD

Matrix: Water

Analysis Batch: 641219

Client Sample ID: EPNG-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	0.37	F1	0.532	0.773		mg/L		76	75 - 125	6	25
Sulfide as H2S	0.39	F1	0.532	0.819		mg/L		81	75 - 125	6	25

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-243351-1

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: 400-243351-37 MS							Client Sample ID: DUP-01			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 641219										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Sulfide	<0.057		0.532	0.431		mg/L		81	75 - 125	
Sulfide as H2S	<0.061		0.532	0.457		mg/L		86	75 - 125	

Lab Sample ID: 400-243351-37 MSD							Client Sample ID: DUP-01			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 641219										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Sulfide	<0.057		0.532	0.417		mg/L		78	75 - 125	3 25
Sulfide as H2S	<0.061		0.532	0.442		mg/L		83	75 - 125	3 25

Eurofins Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Phone: 850-474-1001 Fax: 850-478-2871

Chain of Custody Record



Environment Testing

Client Information Client Contact: Joe Wiley Company: El Paso Energy Corporation Address: 1001 Louisiana Street Room S1905B City: Houston State, Zip: TX, 77002 Phone: 713-520-990 (Tel) 713-520-680 (Fax) Email: Joe Wiley@kindermorgan.com Project Name: Joe Wiley@kindermorgan.com Jal #4 Gas Plant RWIP (3023 = Annual Event Site) Site: CC Wallace, Gilmore@aqec.com		Sampling Lab PM Brien Hill + Hm Team Whitmore, Cheyenne R Phone: 400-243351 COC E-Mail: Cheyenne.Whitmore@eurofins.com PWSID:		Job No(s): 400-122824-41645 1 Page: Page 1 of 4 Job #: 44	
Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☐ No PO #: WD1040015 WO #: 8_Jal_2023_06.12.2023 Project #: 40012867 SSOW#:		Analysis Requested 9056A_ORGFM_28D - Chloride 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total Total Number of Containers:			
Sample Identification ACW-01 ACW-02A ACW-04 ACW-05 ACW-06 ACW-07 ACW-09 ACW-10 ACW-11 ACW-12 ACW-13		Sample Date 9/12/23 1055 1225 1020 1420 1140 1350 1245 1340 1315 1350 1445	Sample Time 1055 1225 1020 1420 1140 1350 1245 1340 1315 1350 1445	Sample Type (C=Comp, G=grab) G G G G G G G G G G G	Matrix (W=Water, S=Solid, O=Other) Water Water Water Water Water Water Water Water Water Water Water
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment: FedEx			
Relinquished by:		Received by: L.B.			
Relinquished by:		Date/Time: 9/13/23 9:20			
Relinquished by:		Date/Time:			
Relinquished by:		Date/Time:			
Custody Seals Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 41, 20, 16, 3.5, 2.0, 1.0 0.0			

Ver: 06/08/2021

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Pensacola, FL 32514
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Chain of Custody Record



Environment Testing

Client Information		Sampler: Brum Whitson & HMI Team		Lab PM: Whitmore, Cheyenne R	Carrier Tracking No(s): 400-122824-41645.2	COC No: 400-122824-41645.2
Client Contact: Joe Wiley		Phone: 850-474-1001		E-Mail: Cheyenne.Whitmore@eurofins.com	State of Origin: NM	Page: 2 of 4
Company: El Paso Energy Corporation		PWSID: 832-347-4521		Job #: 54		
Address: 1001 Louisiana Street Room S1905B		Analysis Requested				
City: Houston		Due Date Requested:				
State, Zip: TX, 77002		TAT Requested (days):				
Phone: 713-520-990(Tel) 713-520-680(Fax)		Compliance Project: Δ Yes Δ No				
Email: Joe.wiley@kindermorgan.com		PO #: WD1040015				
Project Name: Jal #4 Gas Plant RWIP		WO #: 8_Jal_202023_06.12.2023				
Site: CC: Wallace, Gilmore@aqcom.com		Project #: 40012867				
SSOW#:		Sample Date				
Sample Identification		Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Preservation Code	Special Instructions/Note:
Acw-14	9/12/23	G	Water			
Acw-15	1245		Water			
Acw-16	1010		Water			
Acw-17	1235		Water			
Acw-18	1135		Water			
Acw-19	1140		Water			
Acw-20	1100		Water			
Acw-21	1355		Water			
Acw-22	1155		Water			
Acw-23	1100		Water			
Acw-24	1045	↓	Water			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ 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:		Time: _____ Date: _____ Method of Shipment: FedEx				
Relinquished by:		Received by: LM Date/Time: 9.13.23 9:20 Company: _____				
Relinquished by:		Received by: _____ Date/Time: _____ Company: _____				
Relinquished by:		Received by: _____ Date/Time: _____ Company: _____				
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks:				

Ver: 06/08/2021

Eurofins Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record



Environment Testing

Client Information Client Contact: Joe Wiley Company: El Paso Energy Corporation Address: 1001 Louisiana Street Room S1905B City: Houston State: TX Zip: 77002 Phone: 713-520-990 (Tel) 713-520-680 (Fax) Email: joe.wiley@kindermorgan.com Project Name: Jal #4 Gas Plant RWIP Site: CC: Wallace, Gilmore @ acem.com		Sampler: Brian Hill + HM1 Team Phone: Scott Vde - 832-347-4521 PWSID:	Lab PM: Whitmore, Cheyenne R E-Mail: Cheyenne.Whitmore@et.eurofins.com	Carrier Tracking No(s): 400-122824-41645.3 State of Origin: NM Page 3 of 4 Job #: 34		
Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: 8_Jal_202023_06.12.2023 Project #: 40012867 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 Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)				
Sample Identification ACW-25 ACW-26 ACW-27 ACW-28 ACW-29 ACW-30S ACW-30D ACW-32S ACW-32D ENSR-01 EPNG-01	Sample Date 9/12/23 1010 1000 1120 1200 900 945 855 1010 935 910	Sample Time 1345 1010 1000 1120 1200 900 945 855 1010 935 910	Sample Type (C=Comp, G=grab) G G G G G G G G G G G	Matrix (W=Water, S=Soil, O=Organic, A=Air) Water Water Water Water Water Water Water Water Water Water Water	9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total	Special Instructions/Note: Total Number of Samples: 12 Special Instructions/Note:
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)						
Empty Kit Relinquished by: Relinquished by: [Signature] Date/Time: 9/12/23 1520 Company: HMI Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank] Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank]						
Method of Shipment: FedEx Date/Time: 9.13.23 9:20 Company: [Blank]						
Cooler Temperature(s) °C and Other Remarks:						

Ver: 06/08/2021

Eurofins Pensacola

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Chain of Custody Record



Environment Testing

Client Information Client Contact: Joe Wiley Phone: 850-474-1001 Fax: 850-478-2671		Sampler: Brian Hillman + HM Team Lab PM: Whitmore, Cheyenne R Carrier Tracking No(s): 400-122824-41645.4	
Company: El Paso Energy Corporation Address: 1001 Louisiana Street Room S1905B City: Houston State, Zip: TX, 77002 Phone: 713-520-990(Tel) 713-520-680(Fax) Email: Joe Wiley@kindermorgan.com Project Name: Joe Wiley Job #4 Gas Plant RWIP Site: cc: Wallace, Gilmore@alcom.com		State of Origin: NM Page 4 of 4 Job #: 54	
Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: 8_Jal_2Q2023_06 12.2023 Project #: 40012867 SSOW#:		Analysis Requested 9056A_ORGFM_28D - Chloride 6010D - Sodium 8260D - BTEX 2540C - TDS 120.1 - Specific Conductance SM4500_S2_D - Sulfide, Total Total Number of Samples:	
Sample Identification PTP-01 Doom Well Fur Oxy Well DUP-01 DUP-02 DUP-03 DUP-04 TB-01		Matrix (W=Water, S=Soil, O=Organic, A=Air) Sample Type (C=Comp, G=grab) Sample Time Sample Date Preservation Code Special Instructions/Note:	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment: FedEx	
Relinquished by:		Date/Time: 9/13/23 9:20 Company:	
Relinquished by:		Date/Time: Company:	
Relinquished by:		Date/Time: Company:	
Custody Seals Intact: ☐ Yes ☒ No		Cooler Temperature(s) °C and Other Remarks:	

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-243351-1

Login Number: 243351

List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	4.1°C, 2.0°C, 1.6°C, 3.5°C, 2.0°C, 1.0°C, 0.0°C IR11
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 $<6\text{mm}$ (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: 400-243351-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-24
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
SM 4500 S2 D		Water	Sulfide as H2S
Texas	NELAP	T104704286	09-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
120.1		Water	Specific Conductance
SM 2540C		Water	Total Dissolved Solids
SM 4500 S2 D		Water	Sulfide as H2S

**Kinder Morgan Jal #4 Gas Plant
Groundwater Monitoring
Data Validation Report**

Sample Delivery Group: 400-243351-1

Sampling Date: September 12, 2023

Data Reviewer: Jamie Herman

Peer Reviewer: Cathy Larson

Date Completed: February 1, 2024

Date Completed: February 5, 2024

The table below summarizes the results presented in this data package.

Sample Identification	Sample Type	Laboratory Identification	Matrix	Analyses		
				VOCs (8260D)	Metals (6010D)	General Chemistry
ACW-01	SA	400-243351-1	Water	X	X	X
ACW-02A	SA	400-243351-2	Water	X	X	X
ACW-04	SA	400-243351-3	Water	X	X	X
ACW-05	SA	400-243351-4	Water	X	X	X
ACW-06	SA	400-243351-5	Water	X	X	X
ACW-07	SA	400-243351-6	Water	X	X	X
ACW-09	SA	400-243351-7	Water	X	X	X
ACW-10	SA	400-243351-8	Water	X	X	X
ACW-11	SA	400-243351-9	Water	X	X	X
ACW-12	SA	400-243351-10	Water	X	X	X
ACW-13	SA	400-243351-11	Water	X	X	X
ACW-14	SA	400-243351-12	Water	X	X	X
ACW-15	SA	400-243351-13	Water	X	X	X
ACW-16	SA	400-243351-14	Water	X	X	X
ACW-17	SA	400-243351-15	Water	X	X	X
ACW-18	SA	400-243351-16	Water	X	X	X
ACW-19	SA	400-243351-17	Water	X	X	X
ACW-20	SA	400-243351-18	Water	X	X	X
ACW-21	SA	400-243351-19	Water	X	X	X
ACW-22	SA	400-243351-20	Water	X	X	X
ACW-23	SA	400-243351-21	Water	X	X	X
ACW-24	SA	400-243351-22	Water	X	X	X
ACW-25	SA	400-243351-23	Water	X	X	X
ACW-26	SA	400-243351-24	Water	X	X	X
ACW-27	SA	400-243351-25	Water	X	X	X
ACW-28	SA	400-243351-26	Water	X	X	X
ACW-29	SA	400-243351-27	Water	X	X	X
ACW-30S	SA	400-243351-28	Water	X	X	X
ACW-30D	SA	400-243351-29	Water	X	X	X
ACW-32S	SA	400-243351-30	Water	X	X	X
ACW-32D	SA	400-243351-31	Water	X	X	X
ENSR-01	SA	400-243351-32	Water	X	X	X
EPNG-01	SA	400-243351-33	Water	X	X	X
PTP-01	SA	400-243351-34	Water	X	X	X
DOOM WELL	SA	400-243351-35	Water	X	X	X
FMR OXY WELL	SA	400-243351-36	Water	X	X	X
DUP-01	FD	400-243351-37	Water	X	X	X
DUP-02	FD	400-243351-38	Water	X	X	X
DUP-03	FD	400-243351-39	Water	X	X	X

Sample Identification	Sample Type	Laboratory Identification	Matrix	Analyses		
				VOCs (8260D)	Metals (6010D)	General Chemistry
DUP-04	FD	400-243351-40	Water	X	X	X
TB-01	TB	400-243351-41	Water	X	--	--

Sample Type: FD – Field Duplicate
TB – Trip Blank

SA – Sample
-- – Not Analyzed

Analyses: General Chemistry – Anions (9056): Chloride, Specific Conductivity (120.1), Total Dissolved Solids (SM2540C), Sulfide and Hydrogen Sulfide (SM4500 S2 D)
Metals (6010D) – Sodium
VOCs – Volatile Organic Compounds (8260D): Benzene, Ethylbenzene, Toluene, Total Xylenes

This report contains the final results of the data validation conducted for samples collected at the Jal #4 Gas Plant. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*; *USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020)*; method requirements, and laboratory criteria, where applicable.

General Overall Assessment:

- _____ Data are usable without qualification.
- X Data are usable with qualification (noted below and summarized in Attachment A).
- _____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: With the following exception, the case narrative comments concerning data qualification were noted and are evaluated in the table below.

Trace level detections, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J lq).

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Environment Testing in Pensacola, Florida in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of $\leq 6^{\circ}\text{C}$.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected in the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicates ACW-11 (VOCs) FMR OXY WELL (VOCs) ACW-09 (Anions) ACW-23 (Metals) ACW-04 (Sulfide, Hydrogen Sulfide) ACW-13 (Sulfide, Hydrogen Sulfide) EPNG-01 (Sulfide, Hydrogen Sulfide) DUP-01 (Sulfide, Hydrogen Sulfide) • Laboratory Duplicates ACW-07 (Specific Conductivity) ACW-18 (Specific Conductivity) ACW-28 (Specific Conductivity) FMR OXY WELL (Specific Conductivity) ACW-10 (TDS) ACW-20 (TDS) ACW-32S (TDS)	No	Matrix Spike/Matrix Spike Duplicate (MS/MSD) With the exception listed in Table 1, the MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. Laboratory Duplicate With the exceptions listed in Table 2, the comparison between results of the parent sample and laboratory duplicate met laboratory criteria. •

Review Parameter	Criteria Met?	Comments
DUP-01 (TDS)		
Laboratory Performance • Laboratory Control Sample	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS/LCSD recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • Surrogates	No	With the exception listed in Table 3, the surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • Trip Blank TB-01 • Field Duplicate ACW-32S/DUP-01 ACW-30D/DUP-02 ACW-20/DUP-03 ACW-29/DUP-04	Yes	Trip Blank (Volatile Organic Compounds) Target analytes were not detected in the trip blank. Field Duplicate The following concentration dependent criteria were used to evaluate field duplicates: - If one or both results were $\leq 5 \times$ the RL, then the absolute difference between the results should agree within $\pm 2 \times$ RL. - If both results were $\geq 5 \times$ RL, then the RPD should be $\leq 30\%$. With the exception listed in Table 4, the field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	Yes	No sample results were reported as non-detect at an elevated RL/MDL.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent

°C – Degrees Celsius

> – Greater Than

≥ – Greater Than or Equal To

≤ – Less Than or Equal To

± – Plus or Minus

COC – Chain of Custody

J – Estimated

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

lq – Trace value

MDL – Method Detection Limit

MS/MSD – Matrix Spike/Matrix Spike Duplicate

RPDs – Relative Percent Differences

RL – Sample Reporting Limit

TDS – Total Dissolved Solids

VOCs – Volatile Organic Compounds

Table 1: MS/MSD Recovery and RPD Outliers and Resultant Data Qualification

Associated Sample	Analyte	%R (Limits)	RPD (Limit)	Qualification
General Chemistry				
ACW-09	Chloride	108/121 (80-120)	4 (20)	As the potential bias was considered to be high, the associated detected sample result was qualified as estimated (J+ m).
ACW-04	Sulfide	60/68 (75-125)	7 (25)	As the potential bias was considered to be low, the associated detected sample results were qualified as estimated (J- m).
	Hydrogen Sulfide	64/72 (75-125)	7 (25)	
ACW-13	Sulfide	74/77 (75-125)	4 (25)	As the potential bias was considered to be low, the associated non-detected sample result was qualified as estimated (UJ m).

Associated Sample	Analyte	%R (Limits)	RPD (Limit)	Qualification
EPNG-01	Sulfide	68/76 (75-125)	6 (25)	As the potential bias was considered to be low, the associated detected sample results were qualified as estimated (J- m).
	Hydrogen Sulfide	72/81 (75-125)	6 (25)	

%R – Percent Recovery

RPD – Relative Percent Difference

Qualifiers

J+ - Estimated, high bias

J- - Estimated, low bias

UJ – Estimated, non-detect

Reason Codes

m – Matrix Spike Recovery Outliers

Table 2: Laboratory Duplicate Outliers and Resultant Data Qualification

Field Sample/ Laboratory Duplicate	Analyte	Sample Result	Duplicate Result	RPD (Limit)	Qualification
ACW-32S	Total Dissolved Solids	2400 mg/L	2180 mg/L	9 (5)	As laboratory duplicates were reported outside of control limits, the associated results were qualified as estimated (J ld).
DUP-01		2600 mg/L	2360 mg/L	8 (5)	

mg/L – Milligrams per Liter

% – Percent

RPD – Relative Percent Difference

Qualifiers

J – Estimated

Reason Codes

ld – Laboratory duplicate RPD outside of control limits.

Table 3: Surrogate Recovery Outliers and Resultant Data Qualification

Associated Sample	Surrogate	%R (Limits)	Qualification
Volatile Organic Compounds			
ACW-01	Dibromofluoromethane	204 (75-126)	As the potential bias was considered to be high, the associated detected result for benzene was qualified as estimated (J+ s).

%R – Percent Recovery

Qualifier

J+ - Estimated, high bias

Reason Codes

s- Surrogate recovery outlier

Table 4: Field Duplicate Outliers and Resultant Data Qualification

Field Sample/ Field Duplicate	Analyte	Sample Result	Duplicate Result	Criteria not Met	Qualification
ACW-20/DUP-03	Sodium	24000 mg/L	33000 mg/L	RPD <30%	As the field duplicate pair did not meet acceptance criteria, the associated results were qualified as estimated (J fd).
ACW-29/DUP-04	Conductivity	750 umhos/cm	1400 umhos/cm	RPD <30%	As the field duplicate pair did not meet acceptance criteria, the associated results were qualified as estimated (J fd).
	Sodium	80 mg/L	110 mg/L		

% – Percent

RL – Reporting Limit

< – Less Than

RPD – Relative Percent Difference

mg/L – Milligrams per Liter

umhos/cm – micromhos per centimeter

Qualifiers

J – Estimated

Reason Codes

fd – Field duplicate imprecision



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094
Generated 12/18/2023 9:44:34 PM

JOB DESCRIPTION

Jal #4 Gas Plant

JOB NUMBER

400-247679-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Released to Imaging: 7/30/2024 10:13:35 AM



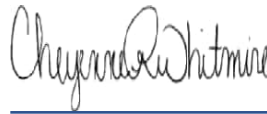
Eurofins Pensacola

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.

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: 400-247679-1

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Case Narrative

Client: AECOM
Project: Jal #4 Gas Plant

Job ID: 400-247679-1

Job ID: 400-247679-1Eurofins Pensacola

Job Narrative
400-247679-1

Receipt

The samples were received on 12/4/2023 10:16 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 10.0° C.

HPLC/IC

Method 9056A: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-247679-1), ACW-14 (400-247679-2), ACW-15 (400-247679-3), DOOM WELL (400-247679-4), OXY WELL (400-247679-5) and DUP-01 (400-247679-6). Elevated reporting limits (RLs) are provided.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-653168 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.

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Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: ACW-13

Lab Sample ID: 400-247679-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		50	13	mg/L	50		9056A	Total/NA
Sodium	260		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4500		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-247679-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		10	2.5	mg/L	10		9056A	Total/NA
Sodium	200		200	92	mg/L	100		6010D	Total/NA
Specific Conductance	1300		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	730		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-247679-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	310		10	2.5	mg/L	10		9056A	Total/NA
Sodium	130		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	900		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-247679-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	110	J	200	92	mg/L	100		6010D	Total/NA
Specific Conductance	720		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: 400-247679-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00089	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	230		10	2.5	mg/L	10		9056A	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	1500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	830		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-247679-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		50	13	mg/L	50		9056A	Total/NA
Sodium	250		2.0	0.92	mg/L	1		6010D	Total/NA
Specific Conductance	5400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4100		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-247679-7

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: 400-247679-1

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 PEN
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3010A	Preparation, Total Metals	SW846	EET PEN
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 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: 400-247679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-247679-1	ACW-13	Water	11/30/23 09:55	12/04/23 10:16
400-247679-2	ACW-14	Water	11/30/23 11:45	12/04/23 10:16
400-247679-3	ACW-15	Water	11/30/23 08:55	12/04/23 10:16
400-247679-4	DOOM WELL	Water	11/30/23 08:40	12/04/23 10:16
400-247679-5	OXY WELL	Water	11/30/23 09:15	12/04/23 10:16
400-247679-6	DUP-01	Water	11/30/23 10:00	12/04/23 10:16
400-247679-7	TRIP BLANK	Water	11/30/23 00:00	12/04/23 10:16



Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: ACW-13

Lab Sample ID: 400-247679-1

Date Collected: 11/30/23 09:55

Matrix: Water

Date Received: 12/04/23 10:16

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			12/07/23 14:15	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 14:15	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 14:15	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		72 - 130					12/07/23 14:15	1
Dibromofluoromethane	104		75 - 126					12/07/23 14:15	1
Toluene-d8 (Surr)	97		64 - 132					12/07/23 14:15	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	13	mg/L			12/05/23 14:38	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	260		2.0	0.92	mg/L		12/05/23 08:00	12/06/23 21:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5400		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	4500		25	25	mg/L			12/06/23 11:43	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: ACW-14

Lab Sample ID: 400-247679-2

Date Collected: 11/30/23 11:45

Matrix: Water

Date Received: 12/04/23 10:16

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			12/07/23 16:20	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 16:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 16:20	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 16:20	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		72 - 130					12/07/23 16:20	1
Dibromofluoromethane	105		75 - 126					12/07/23 16:20	1
Toluene-d8 (Surr)	98		64 - 132					12/07/23 16:20	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		10	2.5	mg/L			12/05/23 14:46	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	200		200	92	mg/L		12/05/23 08:00	12/15/23 15:11	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1300		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	730		10	10	mg/L			12/06/23 11:43	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: ACW-15

Lab Sample ID: 400-247679-3

Date Collected: 11/30/23 08:55

Matrix: Water

Date Received: 12/04/23 10:16

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			12/07/23 16:41	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 16:41	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 16:41	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 130					12/07/23 16:41	1
Dibromofluoromethane	108		75 - 126					12/07/23 16:41	1
Toluene-d8 (Surr)	97		64 - 132					12/07/23 16:41	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			12/05/23 14:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	130		2.0	0.92	mg/L		12/05/23 08:00	12/06/23 21:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1500		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	900		10	10	mg/L			12/06/23 11:43	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-247679-4

Date Collected: 11/30/23 08:40

Matrix: Water

Date Received: 12/04/23 10:16

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			12/07/23 17:02	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 17:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 17:02	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 130					12/07/23 17:02	1
Dibromofluoromethane	110		75 - 126					12/07/23 17:02	1
Toluene-d8 (Surr)	99		64 - 132					12/07/23 17:02	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42		1.0	0.25	mg/L			12/05/23 15:08	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110	J	200	92	mg/L		12/05/23 08:00	12/15/23 15:16	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	720		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	420		5.0	5.0	mg/L			12/06/23 11:43	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: OXY WELL

Lab Sample ID: 400-247679-5

Date Collected: 11/30/23 09:15

Matrix: Water

Date Received: 12/04/23 10:16

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00089	J	0.0010	0.00050	mg/L			12/07/23 17:23	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 17:23	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 17:23	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		72 - 130					12/07/23 17:23	1
Dibromofluoromethane	110		75 - 126					12/07/23 17:23	1
Toluene-d8 (Surr)	98		64 - 132					12/07/23 17:23	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		10	2.5	mg/L			12/05/23 15:23	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		12/05/23 08:00	12/06/23 21:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	1500		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	830		10	10	mg/L			12/06/23 11:45	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: DUP-01

Lab Sample ID: 400-247679-6

Date Collected: 11/30/23 10:00

Matrix: Water

Date Received: 12/04/23 10:16

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			12/07/23 17:44	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 17:44	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 17:44	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		72 - 130					12/07/23 17:44	1
Dibromofluoromethane	111		75 - 126					12/07/23 17:44	1
Toluene-d8 (Surr)	98		64 - 132					12/07/23 17:44	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	13	mg/L			12/05/23 15:53	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	250		2.0	0.92	mg/L		12/05/23 08:00	12/06/23 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	5400		10	10	umhos/cm			12/15/23 12:47	1
Total Dissolved Solids (SM 2540C)	4100		25	25	mg/L			12/06/23 11:45	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: TRIP BLANK
Date Collected: 11/30/23 00:00
Date Received: 12/04/23 10:16

Lab Sample ID: 400-247679-7
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			12/07/23 18:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 18:05	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 18:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 130		12/07/23 18:05	1
Dibromofluoromethane	110		75 - 126		12/07/23 18:05	1
Toluene-d8 (Surr)	96		64 - 132		12/07/23 18:05	1

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

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.

Metals

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: 400-247679-1

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Water****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	TOL
		(72-130)	(75-126)	(64-132)
400-247679-1	ACW-13	82	104	97
400-247679-1 MS	ACW-13	82	105	94
400-247679-1 MSD	ACW-13	82	104	99
400-247679-2	ACW-14	83	105	98
400-247679-3	ACW-15	84	108	97
400-247679-4	DOOM WELL	84	110	99
400-247679-5	OXY WELL	82	110	98
400-247679-6	DUP-01	82	111	98
400-247679-7	TRIP BLANK	87	110	96
LCS 400-653313/1001	Lab Control Sample	85	105	98
MB 400-653313/32	Method Blank	84	110	97

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: ACW-13

Date Collected: 11/30/23 09:55

Date Received: 12/04/23 10:16

Lab Sample ID: 400-247679-1

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	653313	12/07/23 14:15	CH	EET PEN
Total/NA	Analysis	9056A		50			652984	12/05/23 14:38	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			653273	12/06/23 21:19	BAW	EET PEN
Total/NA	Analysis	120.1		1			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	653168	12/06/23 11:43	HA	EET PEN

Client Sample ID: ACW-14

Date Collected: 11/30/23 11:45

Date Received: 12/04/23 10:16

Lab Sample ID: 400-247679-2

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	653313	12/07/23 16:20	CH	EET PEN
Total/NA	Analysis	9056A		10			652984	12/05/23 14:46	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		100			654639	12/15/23 15:11	FC	EET PEN
Total/NA	Analysis	120.1		1			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	653168	12/06/23 11:43	HA	EET PEN

Client Sample ID: ACW-15

Date Collected: 11/30/23 08:55

Date Received: 12/04/23 10:16

Lab Sample ID: 400-247679-3

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	653313	12/07/23 16:41	CH	EET PEN
Total/NA	Analysis	9056A		10			652984	12/05/23 14:53	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			653273	12/06/23 21:29	BAW	EET PEN
Total/NA	Analysis	120.1		1			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	653168	12/06/23 11:43	HA	EET PEN

Client Sample ID: DOOM WELL

Date Collected: 11/30/23 08:40

Date Received: 12/04/23 10:16

Lab Sample ID: 400-247679-4

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	653313	12/07/23 17:02	CH	EET PEN
Total/NA	Analysis	9056A		1			652984	12/05/23 15:08	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		100			654639	12/15/23 15:16	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-247679-4

Date Collected: 11/30/23 08:40

Matrix: Water

Date Received: 12/04/23 10:16

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			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	653168	12/06/23 11:43	HA	EET PEN

Client Sample ID: OXY WELL

Lab Sample ID: 400-247679-5

Date Collected: 11/30/23 09:15

Matrix: Water

Date Received: 12/04/23 10:16

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	653313	12/07/23 17:23	CH	EET PEN
Total/NA	Analysis	9056A		10			652984	12/05/23 15:23	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			653273	12/06/23 21:40	BAW	EET PEN
Total/NA	Analysis	120.1		1			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	653168	12/06/23 11:45	HA	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-247679-6

Date Collected: 11/30/23 10:00

Matrix: Water

Date Received: 12/04/23 10:16

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	653313	12/07/23 17:44	CH	EET PEN
Total/NA	Analysis	9056A		50	0 mL	1.0 mL	652984	12/05/23 15:53	JN	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			653273	12/06/23 21:45	BAW	EET PEN
Total/NA	Analysis	120.1		1			654500	12/15/23 12:47	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	653168	12/06/23 11:45	HA	EET PEN

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-247679-7

Date Collected: 11/30/23 00:00

Matrix: Water

Date Received: 12/04/23 10:16

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	653313	12/07/23 18:05	CH	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-652911/1-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/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
							Completed:	12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			654639	12/15/23 14:50	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-652984/111

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			652984	12/05/23 14:16	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-653168/1

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	653168	12/06/23 11:43	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-653313/32

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	653313	12/07/23 12:10	CH	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-654500/1

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			654500	12/15/23 12:47	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-652911/2-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/NA	Prep	3010A			50 mL	50 mL	652911	12/05/23 08:00	MS	EET PEN
Completed:								12/05/23 13:50 ¹		
Total/NA	Analysis	6010D		1			654639	12/15/23 14:55	FC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-652984/112

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			652984	12/05/23 14:23	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-653168/2

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	653168	12/06/23 11:43	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-653313/1001

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	653313	12/07/23 11:07	CH	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-654500/2

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			654500	12/15/23 12:47	CAC	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-652984/113

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			652984	12/05/23 14:31	JN	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-247679-1 MS

Date Collected: 11/30/23 09:55

Matrix: Water

Date Received: 12/04/23 10:16

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	653313	12/07/23 14:36	CH	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-247679-1 MSD

Date Collected: 11/30/23 09:55

Matrix: Water

Date Received: 12/04/23 10:16

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	653313	12/07/23 14:57	CH	EET PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-247679-4 DU

Date Collected: 11/30/23 08:40

Matrix: Water

Date Received: 12/04/23 10:16

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			654500	12/15/23 12:47	CAC	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

GC/MS VOA

Analysis Batch: 653313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	8260D	
400-247679-2	ACW-14	Total/NA	Water	8260D	
400-247679-3	ACW-15	Total/NA	Water	8260D	
400-247679-4	DOOM WELL	Total/NA	Water	8260D	
400-247679-5	OXY WELL	Total/NA	Water	8260D	
400-247679-6	DUP-01	Total/NA	Water	8260D	
400-247679-7	TRIP BLANK	Total/NA	Water	8260D	
MB 400-653313/32	Method Blank	Total/NA	Water	8260D	
LCS 400-653313/1001	Lab Control Sample	Total/NA	Water	8260D	
400-247679-1 MS	ACW-13	Total/NA	Water	8260D	
400-247679-1 MSD	ACW-13	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 652984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	9056A	
400-247679-2	ACW-14	Total/NA	Water	9056A	
400-247679-3	ACW-15	Total/NA	Water	9056A	
400-247679-4	DOOM WELL	Total/NA	Water	9056A	
400-247679-5	OXY WELL	Total/NA	Water	9056A	
400-247679-6	DUP-01	Total/NA	Water	9056A	
MB 400-652984/111	Method Blank	Total/NA	Water	9056A	
LCS 400-652984/112	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-652984/113	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 652911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	3010A	
400-247679-2	ACW-14	Total/NA	Water	3010A	
400-247679-3	ACW-15	Total/NA	Water	3010A	
400-247679-4	DOOM WELL	Total/NA	Water	3010A	
400-247679-5	OXY WELL	Total/NA	Water	3010A	
400-247679-6	DUP-01	Total/NA	Water	3010A	
MB 400-652911/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-652911/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 653273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	6010D	652911
400-247679-3	ACW-15	Total/NA	Water	6010D	652911
400-247679-5	OXY WELL	Total/NA	Water	6010D	652911
400-247679-6	DUP-01	Total/NA	Water	6010D	652911

Analysis Batch: 654639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-2	ACW-14	Total/NA	Water	6010D	652911
400-247679-4	DOOM WELL	Total/NA	Water	6010D	652911
MB 400-652911/1-A	Method Blank	Total/NA	Water	6010D	652911
LCS 400-652911/2-A	Lab Control Sample	Total/NA	Water	6010D	652911

Eurofins Pensacola

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

General Chemistry

Analysis Batch: 653168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	SM 2540C	
400-247679-2	ACW-14	Total/NA	Water	SM 2540C	
400-247679-3	ACW-15	Total/NA	Water	SM 2540C	
400-247679-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-247679-5	OXY WELL	Total/NA	Water	SM 2540C	
400-247679-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-653168/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-653168/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 654500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-247679-1	ACW-13	Total/NA	Water	120.1	
400-247679-2	ACW-14	Total/NA	Water	120.1	
400-247679-3	ACW-15	Total/NA	Water	120.1	
400-247679-4	DOOM WELL	Total/NA	Water	120.1	
400-247679-5	OXY WELL	Total/NA	Water	120.1	
400-247679-6	DUP-01	Total/NA	Water	120.1	
MB 400-654500/1	Method Blank	Total/NA	Water	120.1	
LCS 400-654500/2	Lab Control Sample	Total/NA	Water	120.1	
400-247679-4 DU	DOOM WELL	Total/NA	Water	120.1	

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-653313/32

Matrix: Water

Analysis Batch: 653313

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			12/07/23 12:10	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/07/23 12:10	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/07/23 12:10	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/07/23 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 130		12/07/23 12:10	1
Dibromofluoromethane	110		75 - 126		12/07/23 12:10	1
Toluene-d8 (Surr)	97		64 - 132		12/07/23 12:10	1

Lab Sample ID: LCS 400-653313/1001

Matrix: Water

Analysis Batch: 653313

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	0.0446		mg/L		89	70 - 130
Ethylbenzene	0.0500	0.0482		mg/L		96	70 - 130
Toluene	0.0500	0.0509		mg/L		102	70 - 130
Xylenes, Total	0.100	0.0950		mg/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	85		72 - 130
Dibromofluoromethane	105		75 - 126
Toluene-d8 (Surr)	98		64 - 132

Lab Sample ID: 400-247679-1 MS

Matrix: Water

Analysis Batch: 653313

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	0.0433		mg/L		87	56 - 142
Ethylbenzene	<0.00050		0.0500	0.0369		mg/L		74	58 - 131
Toluene	<0.00090		0.0500	0.0425		mg/L		85	65 - 130
Xylenes, Total	<0.0016		0.100	0.0708		mg/L		71	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	82		72 - 130
Dibromofluoromethane	105		75 - 126
Toluene-d8 (Surr)	94		64 - 132

Lab Sample ID: 400-247679-1 MSD

Matrix: Water

Analysis Batch: 653313

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	Limit
Benzene	<0.00050		0.0500	0.0426		mg/L		85	56 - 142	2	30
Ethylbenzene	<0.00050		0.0500	0.0394		mg/L		79	58 - 131	7	30
Toluene	<0.00090		0.0500	0.0457		mg/L		91	65 - 130	7	30

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-247679-1 MSD

Matrix: Water

Analysis Batch: 653313

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	0.0760		mg/L		76	59 - 130	7	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	82		72 - 130								
Dibromofluoromethane	104		75 - 126								
Toluene-d8 (Surr)	99		64 - 132								

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-652984/111

Matrix: Water

Analysis Batch: 652984

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			12/05/23 14:16	1

Lab Sample ID: LCS 400-652984/112

Matrix: Water

Analysis Batch: 652984

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	9.37		mg/L		94	90 - 110			

Lab Sample ID: LCSD 400-652984/113

Matrix: Water

Analysis Batch: 652984

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	9.44		mg/L		94	90 - 110	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-652911/1-A

Matrix: Water

Analysis Batch: 654639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 652911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		12/05/23 08:00	12/15/23 14:50	1

Lab Sample ID: LCS 400-652911/2-A

Matrix: Water

Analysis Batch: 654639

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 652911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Sodium	10.0	11.0		mg/L		110	80 - 120			

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-654500/1

Matrix: Water

Analysis Batch: 654500

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			12/15/23 12:47	1

Lab Sample ID: LCS 400-654500/2

Matrix: Water

Analysis Batch: 654500

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

Lab Sample ID: 400-247679-4 DU

Matrix: Water

Analysis Batch: 654500

Client Sample ID: DOOM WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	720		720		umhos/cm		0.6	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-653168/1

Matrix: Water

Analysis Batch: 653168

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			12/06/23 11:43	1

Lab Sample ID: LCS 400-653168/2

Matrix: Water

Analysis Batch: 653168

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	290		mg/L		99	78 - 122

Eurofins Pensacola

Eurofins Pensacola

3355 McLemore Drive
Pensacola, FL 32514

Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record



Environment Testing



Client Information Client Contact: Joe Wiley Company: El Paso Energy Corporation Address: 1001 Louisiana Street Room S1905B City: Houston State: TX, 77002 Phone: 713-520-990(Tel) 713-520-680(Fax) Email: joe.wiley@kindermorgan.com Project Name: Joe Wiley Site: Jal #4 Gas Plant RWIP		Lab PM: Whitmore, Cheyenne R Tracking No(s): 400-247679 CQC E-Mail: Cheyenne.Whitmore@et.eurofins.com CQC No: 400-124576-42643.1 Page: Page 1 of 1 Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: KM_ERG ARF_Template_Version 8_Jal_4Q2023 Project #: 40012867 SSOW#:		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 Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Sample Identification ACW-2 (pre-pump) ACW-13 ACW-14 ACW-15 Doom well Oxy well DUP-01 Trip Blank		Field Filtered Sample (Yes or No) 9056A - ORGM - 28D - Chloride 2540C - (TDS) 8260D - BTEX 6910D - Sodium 120.1 - Specific Conductance	
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Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-247679-1

Login Number: 247679

List Source: Eurofins Pensacola

List Number: 1

Creator: Earnest, Tamantha

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
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.	False	Cooler temperature outside required temperature criteria.
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-247679-1

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

**Kinder Morgan Jal #4 Gas Plant
Groundwater Monitoring
Data Validation Report**

Sample Delivery Group: 400-247679-1

Sampling Date: November 30, 2023

Data Reviewer: Jamie Herman

Peer Reviewer: Cathy Larson

Date Completed: February 1, 2024

Date Completed: February 5, 2024

The table below summarizes the results presented in this data package.

Sample Identification	Sample Type	Laboratory Identification	Matrix	Analyses		
				VOCs (8260D)	Metals (6010D)	General Chemistry
ACW-13	SA	400-247679-1	Water	X	X	X
ACW-14	SA	400-247679-2	Water	X	X	X
ACW-15	SA	400-247679-3	Water	X	X	X
DOOM WELL	SA	400-247679-4	Water	X	X	X
OXY WELL	SA	400-247679-5	Water	X	X	X
DUP-01	FD	400-247679-6	Water	X	X	X
TRIP BLANK	TB	400-247679-7	Water	X	--	--

Sample Type: FD – Field Duplicate
TB – Trip Blank

SA – Sample
-- – Not Analyzed

Analyses: General Chemistry – Anions (9056): Chloride, Specific Conductivity (120.1), Total Dissolved Solids (SM2540C)
Metals (6010D) – Sodium
VOCs – Volatile Organic Compounds (8260D): Benzene, Ethylbenzene, Toluene, Total Xylenes

This report contains the final results of the data validation conducted for samples collected at the Jal #4 Gas Plant. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020); USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020);* method requirements, and laboratory criteria, where applicable.

General Overall Assessment:

- ☐ Data are usable without qualification.
- ☒ Data are usable with qualification (noted below and summarized in Attachment A).
- ☐ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: With the following exception, the case narrative comments concerning data qualification were noted and are evaluated in the table below.

Trace level detections, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J lq).

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	No	The samples were received by Eurofins Environment Testing in Pensacola, Florida in good condition and accompanied by a chain of custody (COC). The cooler temperature upon receipt was outside the acceptable criterion of $\leq 6^{\circ}\text{C}$ (10.0°C). Therefore, the associated sample results were qualified as estimated due to temperature exceedance, dependent on the criteria below: - Volatile Organic compound (VOC) results were qualified as estimated

Review Parameter	Criteria Met?	Comments
		(J/UJ). - General Chemistry results were qualified as estimated (J). - Due to the stability of the metals parameters, data qualification on the basis of temperature exceedance is not considered necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected in the method blanks.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate ACW-13 (VOCs) • Laboratory Duplicate DOOM WELL (Conductivity)	Yes	Matrix Spike/Matrix Spike Duplicate (MS/MSD) The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. Laboratory Duplicate The comparison between results of the parent sample and laboratory duplicate met laboratory criteria.
Laboratory Performance • Laboratory Control Sample	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS/LCSD recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • Surrogates	Yes	The surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • Trip Blank TRIP BLANK • Field Duplicate ACW-13/DUP-01	Yes	Trip Blank (Volatile Organic Compounds) Target analytes were not detected in the trip blank. Field Duplicate The following concentration dependent criteria were used to evaluate field duplicates: • If one or both results were $\leq 5x$ the RL, then the absolute difference between the results should agree within $\pm 2xRL$. • If both results were $\geq 5xRL$, then the RPD should be $\leq 30\%$. The field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	Yes	No sample results were reported as non-detect at an elevated RL/MDL.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
°C – Degrees Celsius
> – Greater Than
 $\geq$ – Greater Than or Equal To
 $\leq$ – Less Than or Equal To
 $\pm$ – Plus or Minus
COC – Chain of Custody
J – Estimated

LCS – Laboratory Control Sample
LCSD – Laboratory Control Sample Duplicate
lq – Trace value
MS/MSD – Matrix Spike/Matrix Spike Duplicate
RPDs – Relative Percent Differences
RL – Sample Reporting Limit
VOCs – Volatile Organic Compounds

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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 327962

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID:
	7046
	Action Number: 327962
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Report for Jal No. 4 Gas Plant: content unsatisfactory 1. Continue to conduct quarterly groundwater monitoring for the site as prescribed. 2. Sample program monitoring wells for BTEX by EPA method 8260B, sodium (EPA method 6010B, chloride by method 9056 and specific conductance by method 120.1 3. 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. 5. Submit the 2024 annual groundwater report to OCD by April 1, 2025.	7/30/2024