



Review of the 2022 Annual Groundwater Remediation Report: **Content satisfactory**

1. Continue groundwater monitoring and sampling per scheduling recommended.
2. Submit the next Annual Monitoring Report to the NMOCD no later than April 1, 2024.

2022 Annual Groundwater Remediation Report Jal No. 4 Gas Plant, Lea County, New Mexico Facility ID No. FCS00000000049 NMOCD Abatement Plan Case #AP – 101 Incident ID #nAPP2110635360

Prepared For:

El Paso Natural Gas Company, LLC
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Project No. 60702606
March 2023



Environment

Submitted to:
El Paso Natural Gas Company, LLC
Houston, Texas

Submitted by:
AECOM
Houston, Texas
Project No. 60702606
March 2023

2022 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

A handwritten signature in blue ink that reads 'Devon McDonald'.

Prepared By:
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Geologist

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Prepared By:
Wally Gilmore, P.G.
Senior Project Manager

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Reviewed By:
Andrew Messer, P.G.
Principle Hydrogeologist

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1.0 Introduction

On behalf of El Paso Natural Gas Company, LLC (EPNG), AECOM has prepared this 2022 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 2022, 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 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**.

2.0 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 groundwater 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**.

On April 14, 2003, the NMOCD approved a modification to the groundwater sampling program for the Plant. This modification allows for only sampling Program wells ACW-13, ACW-14, and ACW-15 during the first three quarterly events and sampling all Program wells during the fourth quarter event. **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.

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The Doom Water Well is a private water well that provides water to a residential property owned by the estate of Jimmie 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 that criteria, monitoring wells can be designated to be in the upper or lower portion of the aquifer. By contouring the groundwater level 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

The groundwater samples were collected in accordance with EPA 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

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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 to the Eurofins TestAmerica laboratory in Pensacola, FL with chain of custody documentation. Groundwater samples were analyzed for the list of parameters described above in *Section 2.1*.

As discussed with the NMOCD, the investigation-derived waste (IDW) generated during 2022 sampling events was placed in a labeled, 55-gallon steel drum with a *ventilated barrel cover* for evaporating liquid IDW, as described in the HMI field notes provided in **Appendix B**.

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3.0 2022 Groundwater Monitoring Results

The following sections summarize the field measurement and laboratory analytical results obtained during the 2022 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 2022 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 December 2022 chloride concentrations in upper and lower groundwater, respectively.

Detectable chloride concentrations for upper groundwater ranged from 34 mg/L in ACW-28 to 6,900 mg/L in ACW-01 during the December 2022 sampling event, as shown on **Figure 5**. Detectable chloride concentrations for lower groundwater ranged from 42 mg/L in ACW-29 to 71,000 mg/L in ACW-20 during the December 2022 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 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 December 2022 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 (0.16 mg/L), ACW-19 (0.024 mg/L) and ACW-21 (0.061 mg/L), and from upgradient well ENSR-1 (0.013 mg/L). These are the same upper groundwater wells that exhibited benzene exceedances for the 2021 annual groundwater sampling event. The benzene concentrations in two of the four wells (ACW-01 and ACW-19) were lower than the concentrations reported in 2021.

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Benzene concentrations exceeding the NMAC standard of 0.01 mg/L were reported for on-site lower groundwater wells ACW-04 (0.030 mg/L), ACW-10 (0.019 mg/L), ACW-11 (0.017 mg/L), ACW-20 (0.057 mg/L), and ACW-25 (0.026 mg/L). These are the same lower groundwater wells that exhibited benzene exceedances for the 2021 annual groundwater sampling event, except for ACW-10 which was below the NMAC standard in December 2021.

The 2022 results for both upper and lower groundwater are consistent with recent benzene sampling data. Historical groundwater analytical data indicate that natural attenuation mechanisms have effectively mitigated further downgradient migration of benzene impacts in groundwater.

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4.0 2022 Aquifer Testing

In November 2021, roto-sonic drilling methods were used to install two potential groundwater recovery wells (EW-1 and EW-2). Boreholes were advanced to the base of the uppermost groundwater-bearing unit near monitoring well ACW-10. Two six-inch diameter, schedule 80 PVC wells were constructed with 0.020-inch slotted screen from approximately 145 to 165 feet bgs and a 16-40 mesh filter pack. The wells were completed in above-ground protective casings with locks and bollards.

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 previously designed for groundwater extraction at the Site. 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. During each test, pressure transducers were placed in both pumping wells and ACW-10 to monitor the aquifer response. The aquifer testing results were described in the AECOM report, *Summary of Project Activities, 2018 – 2022, Former El Paso Natural Gas Company, LLC Jal No. 4 Plant, Lea County, New Mexico*, January 2023. A copy of this report was submitted to the NMOCD.

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5.0 Conclusions

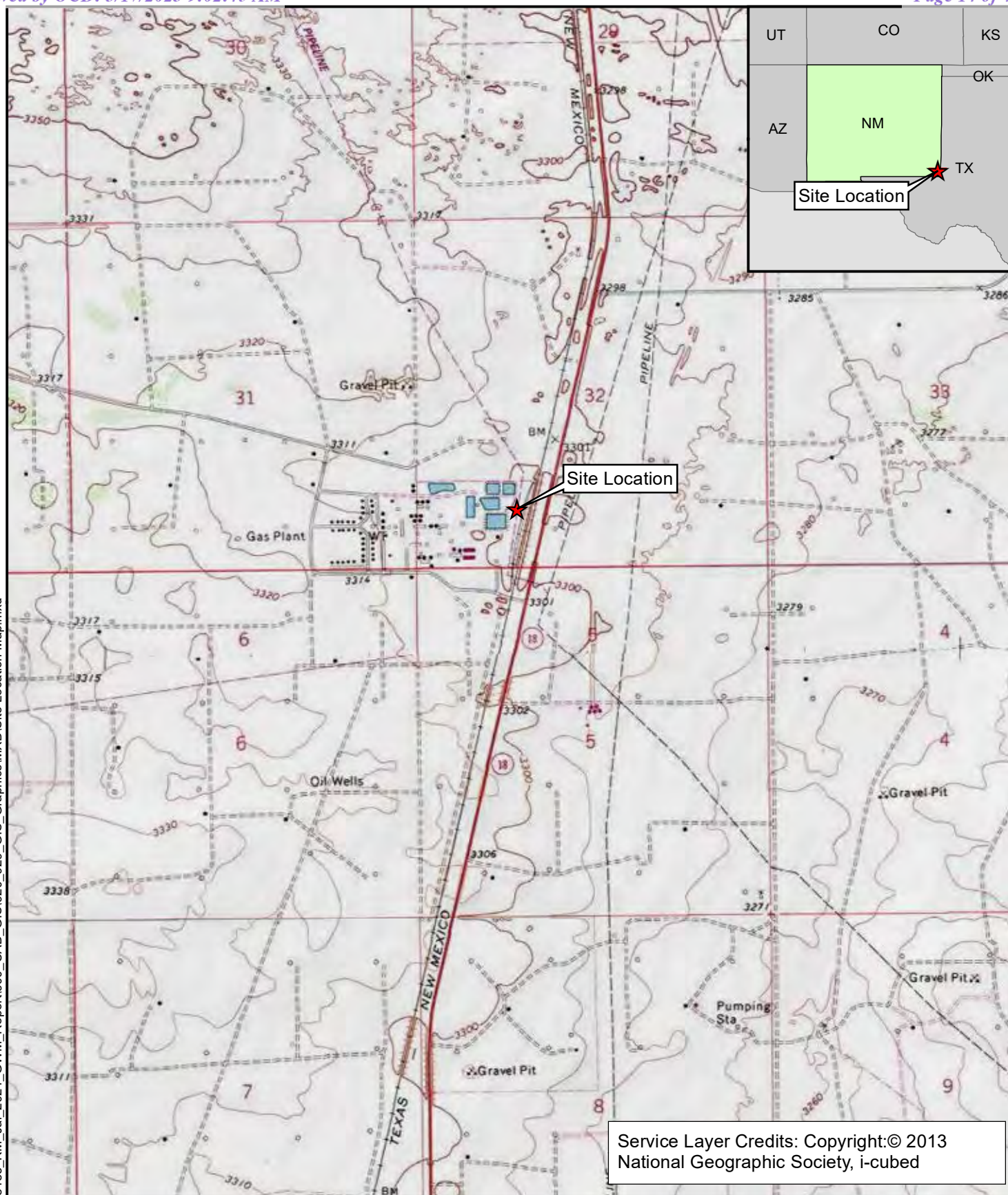
The data presented herein support the following conclusions:

- Groundwater flow direction at the Site is generally to the southeast at 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 4th Quarter sampling event in December 2022, groundwater samples collected from 12 of 14 upper groundwater wells and from 17 of 21 lower groundwater wells contained 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 collected 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.

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Figures

March 2023



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

Legend

★ Site_Location


 0 1,000 2,000 4,000
Feet

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

 Scale:
As
Shown

 Drawn by:
KPL
Chk'd by:
BMcC

 Date:
2/23/2022
Date:
2/23/2022

Title:

Site Location Map

 Project:
2022 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client:

Kinder Morgan

 Project No.:
60678485

 File Name:
Site Location Map.mxd

 Figure:
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- DISPOSAL WELL
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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.

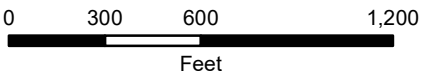
2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

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

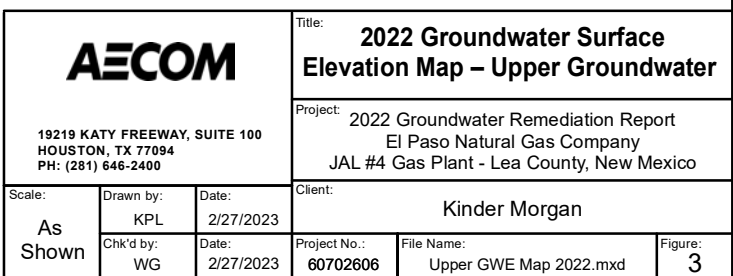
4) AERIAL PHOTO SOURCED FROM MAXOR, DATED 4/28/2022.

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

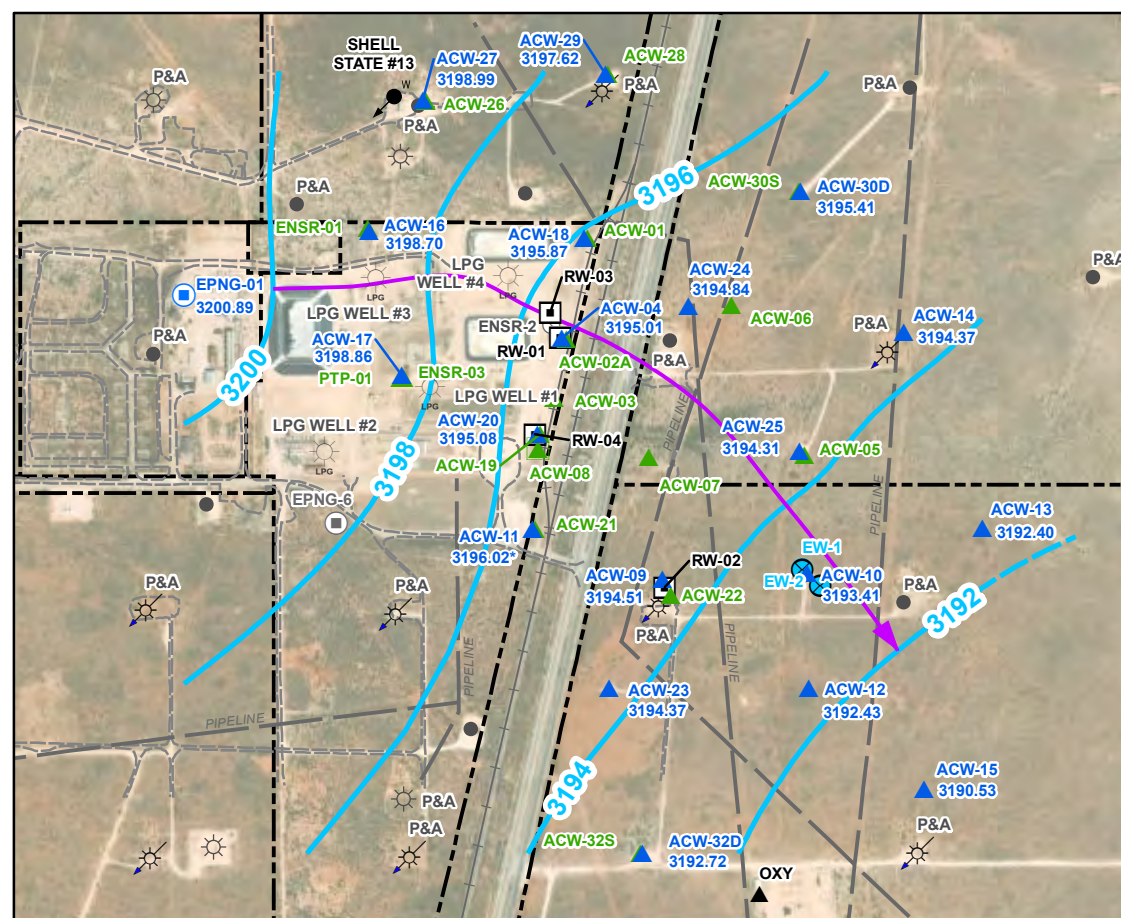
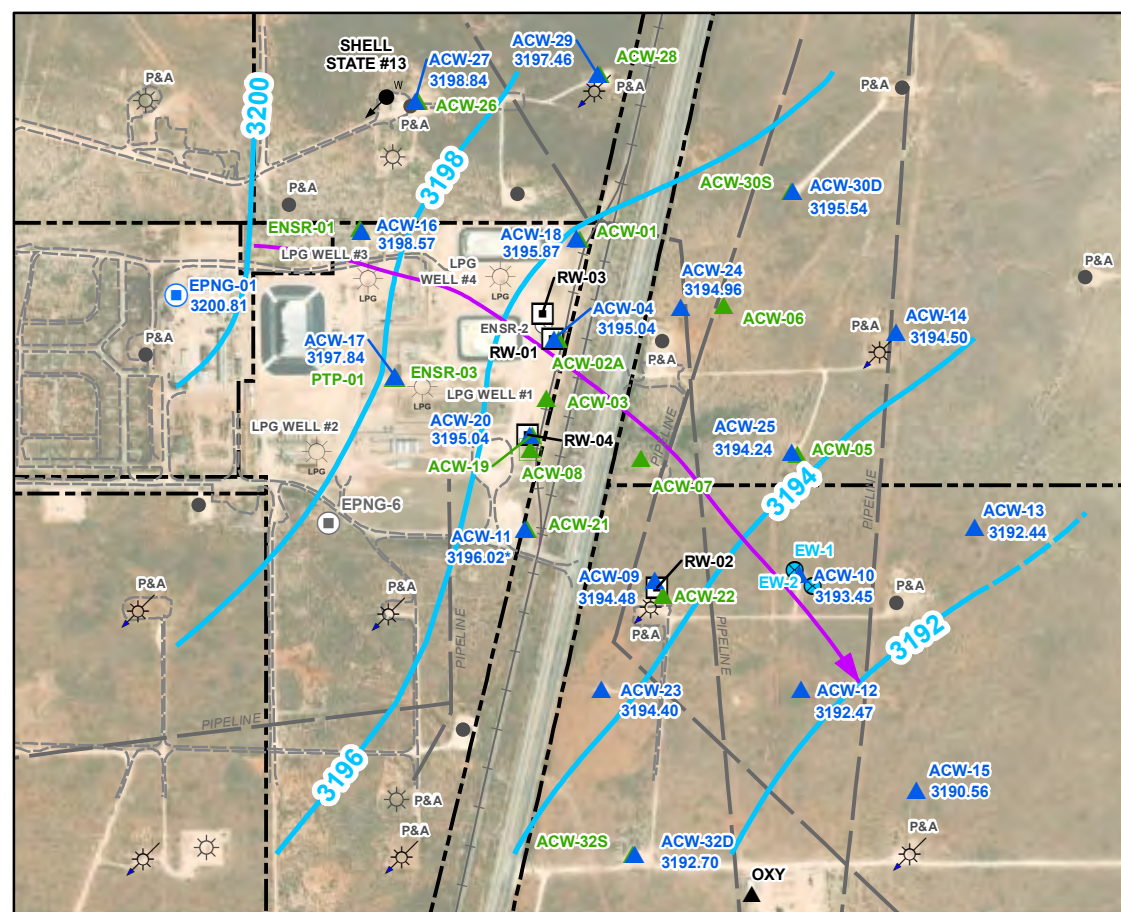
6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOC D OIL & GAS MAP.



 19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400		Title: Site Layout		
		Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale: As Shown	Drawn by: KPL	Date: 2/27/2023	Client: Kinder Morgan	
	Chk'd by: WG	Date: 2/27/2023	Project No.: 60702606	Figure: 2

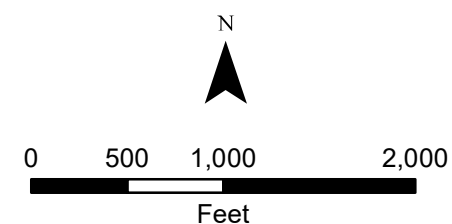


4th QUARTER 2022 (DECEMBER 1, 2022)

**2nd QUARTER 2022 (JUNE 29, 2022)**

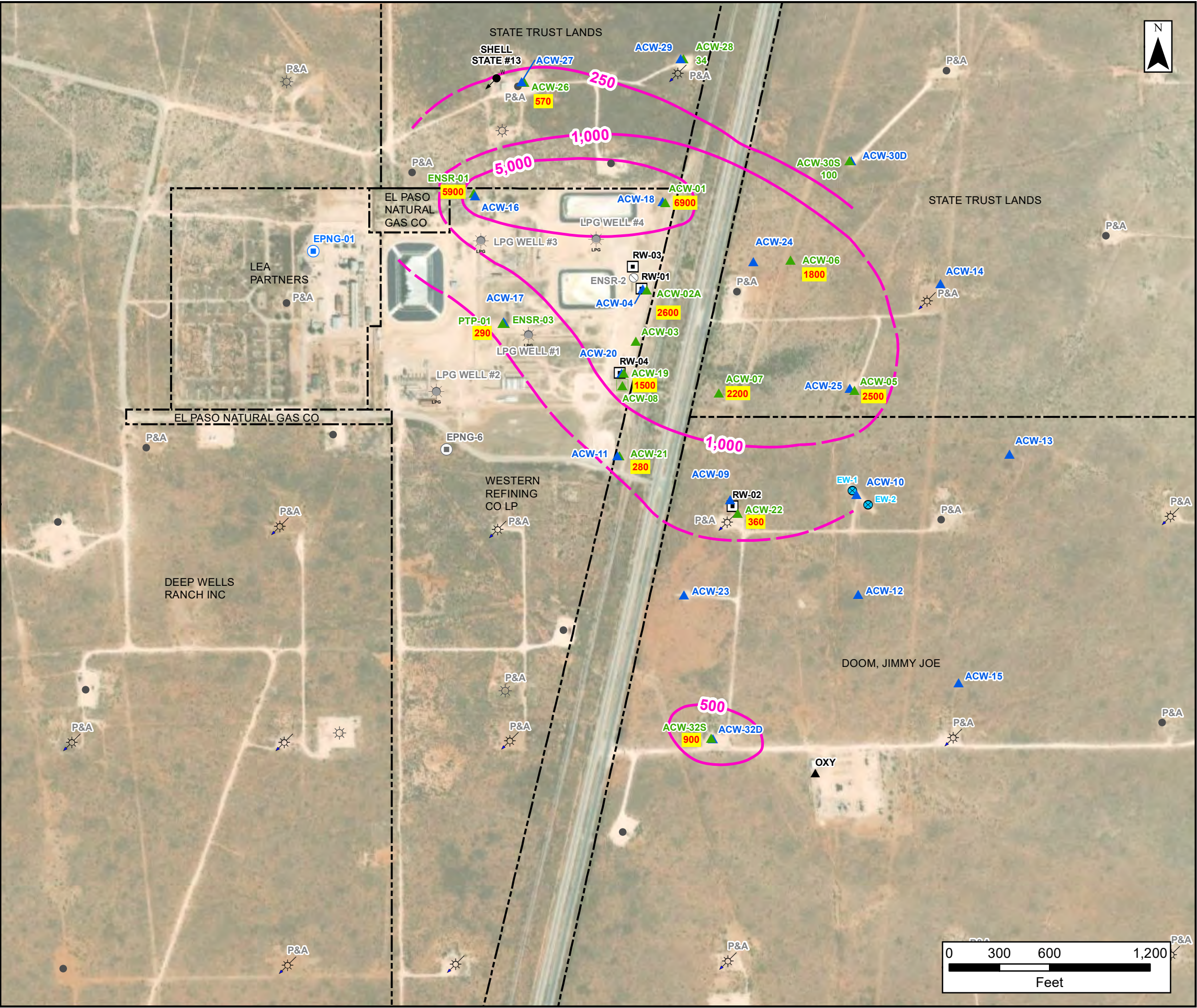
4th QUARTER 2022 (DECEMBER 1, 2022)

- 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 MAXOR, DATED 4/28/2022.
 - 4) * - THE DATA FROM ACW-11 IS NOT USED TO CONSTRUCT THE POTENTIOMETRIC SURFACE CONTOURS.



 19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400		Title: 2022 Groundwater Surface Elevation Map – Lower Groundwater	
		Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico	
Scale:	Drawn by: KPL	Date: 2/27/2023	Client: Kinder Morgan
As Shown	Chk'd by: WG	Date: 2/27/2023	
		Project No.: 60702606	File Name: Lower GWE Map 2022.mxd
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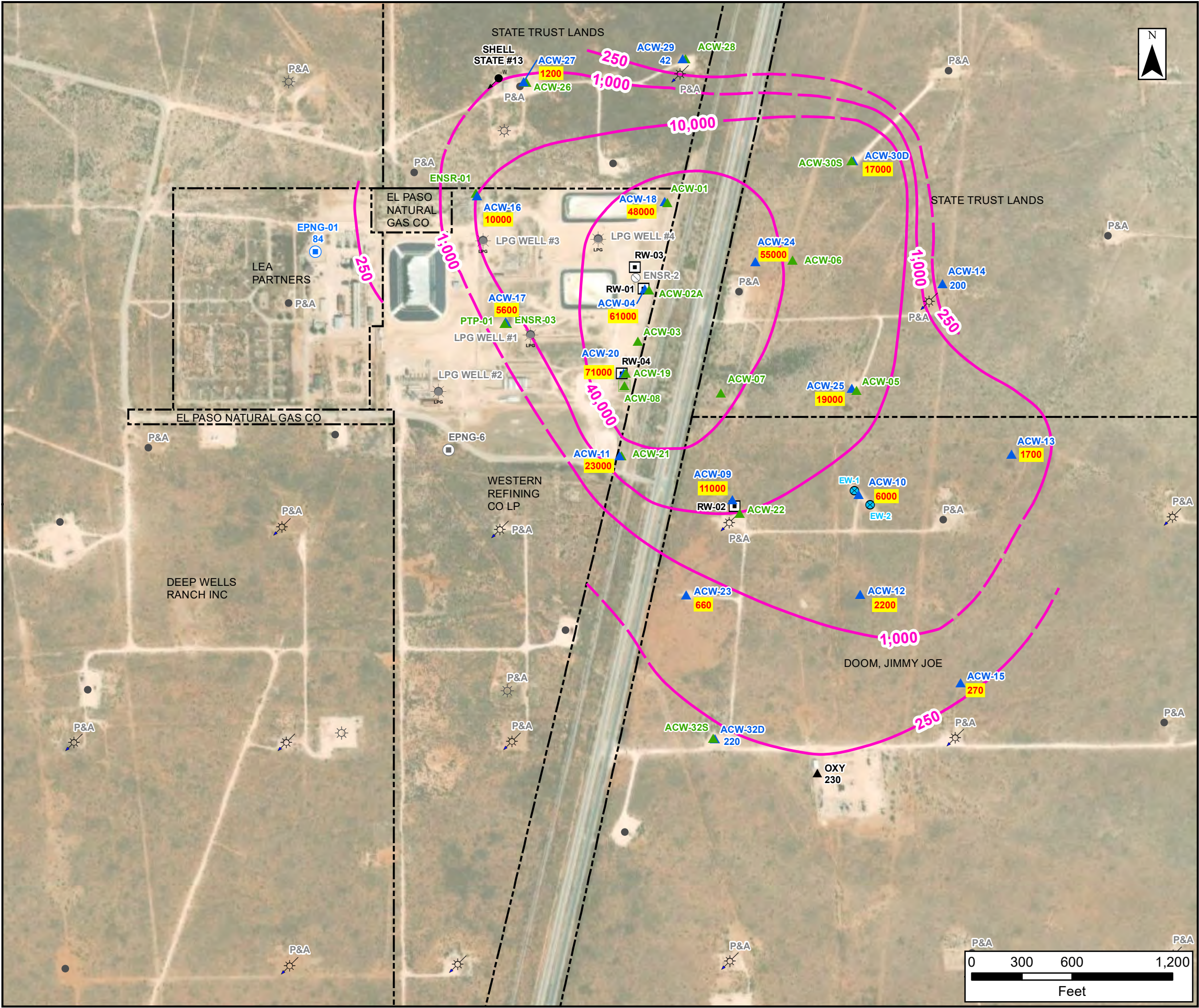
- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
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- PLUGGED/ABANDONED MAY 2012
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, 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 MAXOR, DATED 4/28/2022.
 - 6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOC D OIL & GAS MAP.

AECOM 19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400		Title: Isopleth of Chloride Concentrations in Upper Groundwater December 2022		
		Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale: As Shown	Drawn by: KPL	Date: 2/27/2023	Client: Kinder Morgan	
Chk'd by: WG	Date: 2/27/2023	Project No.: 60702606	File Name: Upper Chloride Dec2022.mxd	Fig: 5

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- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
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- 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.
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- 5) AERIAL PHOTO SOURCED FROM MAXOR, DATED 4/28/2022.
- 6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

AECOM		Title: Isopleth of Chloride Concentrations in Lower Groundwater December 2022	
		Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico	
Scale:	Drawn by: KPL	Date: 2/24/2023	Client: Kinder Morgan
As Shown	Chk'd by: WG	Date: 2/24/2023	Project No.: 60702606
			File Name: Lower Chloride Dec2022.mxd
			Fig: 6

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- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
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- OIL WELL
- GAS WELL
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- PLUGGED/ABANDONED MAY 2012
- APPROXIMATE PROPERTY BOUNDARY
- 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.

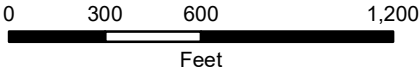
2) EPA's PRIMARY DRINKING WATER STANDARD (MCL) FOR BENZENE IN PUBLIC WATER SUPPLY SYSTEMS IS 5 µg/L (0.005 mg/L).

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 MAXOR, DATED 4/28/2022.

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



AECOM			Title: Benzene Concentrations in Upper Groundwater December 2022		
19219 KATY FREEWAY, SUITE 100 HOUSTON, TX 77094 PH: (281) 646-2400			Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale: As Shown	Drawn by: KPL	Date: 2/24/2023	Client: Kinder Morgan		
	Chk'd by: WG	Date: 2/24/2023	Project No.: 60702606	File Name: Upper Benzene Dec2022.mxd	Figure No.: 7

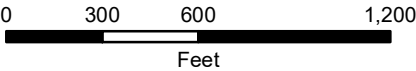
Path: L:\DCS\Projects\ENV\60702606_KM_2023_Jal_Annual_GWMRpt\900_CAD_GIS\920_GIS\MXD\Lower Benzene Dec2022.mxd



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
- 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 MAXOR, DATED 4/28/2022.
- 6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.



	Title: Benzene Concentrations in Lower Groundwater December 2022		
	Project: 2022 Groundwater Remediation Report El Paso Natural Gas Company JAL #4 Gas Plant - Lea County, New Mexico		
Scale: As Shown	Drawn by: KPL	Date: 2/24/2023	Client: Kinder Morgan
Chk'd by: WG	Date: 2/24/2023	Project No.: 60702606	File Name: Lower Benzene Dec2022.mxd
			Figure No.: 8

AECOM

Tables

March 2023

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

Well ID	2022 Quarter 1	2022 Quarter 2	2022 Quarter 3	2022 Quarter 4
Program Wells				
ACW-01	G	G	G	G,S
ACW-02A	G	G	G	G,S
ACW-03	G	G	G	G
ACW-04	G	G	G	G,S
ACW-05	G	G	G	G,S
ACW-06	G	G	G	G,S
ACW-07	G	G	G	G,S
ACW-08	G	G	G	G
ACW-09	G	G	G	G,S
ACW-10	G	G	G	G,S
ACW-11	G	G	G	G,S
ACW-12	G	G	G	G,S
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	G,S
ACW-17	G	G	G	G,S
ACW-18	G	G	G	G,S
ACW-19	G	G	G	G,S
ACW-20	G	G	G	G,S
ACW-21	G	G	G	G,S
ACW-22	G	G	G	G,S
ACW-23	G	G	G	G,S
ACW-24	G	G	G	G,S
ACW-25	G	G	G	G,S
ACW-26	G	G	G	G,S
ACW-27	G	G	G	G,S
ACW-28	G	G	G	G,S
ACW-29	G	G	G	G,S
ACW-30S	G	G	G	G,S
ACW-30D	G	G	G	G,S
ACW-32S	G	G	G	G,S
ACW-32D	G	G	G	G,S

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

Well ID	2022 Quarter 1	2022 Quarter 2	2022 Quarter 3	2022 Quarter 4
Non-Program Wells				
ENSR-01	G	G	G	G,S
ENSR-03	G	G	G	G
EPNG-01	G	G	G	G,S
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	G,S
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	2/21/2018	105.45	3196.70
			5/9/2018	105.32	3196.83
			8/7/2018	105.34	3196.81
			11/7/2018	105.39	3196.76
			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
ACW-02A	98 to 118	3302.16	2/21/2018	105.68	3196.48
			5/9/2018	105.51	3196.65
			8/7/2018	105.54	3196.62
			11/7/2018	105.61	3196.55
			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

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	2/21/2018	105.28	3196.34
			5/9/2018	105.12	3196.50
			8/7/2018	105.16	3196.46
			11/7/2018	105.20	3196.42
			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
ACW-04	154 to 169	3302.05	2/21/2018	107.36	3194.69
			5/9/2018	107.17	3194.88
			8/7/2018	107.20	3194.85
			11/7/2018	107.24	3194.81
			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

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	2/21/2018	103.33	3193.85
			5/9/2018	103.17	3194.01
			8/7/2018	103.12	3194.06
			11/7/2018	103.15	3194.03
			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
ACW-06	110 to 120	3302.84	2/21/2018	107.50	3195.34
			5/9/2018	107.34	3195.50
			8/7/2018	107.28	3195.56
			11/7/2018	107.21	3195.63
			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

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	2/21/2018	102.49	3195.14
			5/9/2018	102.33	3195.30
			8/7/2018	102.29	3195.34
			11/7/2018	102.26	3195.37
			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
ACW-08	140 to 160	3299.54	2/21/2018	103.39	3196.15
			5/9/2018	103.21	3196.33
			8/7/2018	103.38	3196.16
			11/7/2018	103.34	3196.20
			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

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	2/21/2018	110.43	3194.26
			5/9/2018	110.28	3194.41
			8/7/2018	110.21	3194.48
			11/7/2018	110.34	3194.35
			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
ACW-10	140 to 160	3299.82	2/21/2018	106.52	3193.30
			5/9/2018	106.40	3193.42
			8/7/2018	106.33	3193.49
			11/7/2018	106.33	3193.49
			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

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	2/21/2018	105.78	3195.86
			5/9/2018	105.64	3196.00
			8/7/2018	105.72	3195.92
			11/7/2018	105.76	3195.88
			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
ACW-12	150 to 170	3301.8	2/21/2018	109.62	3192.18
			5/9/2018	109.47	3192.33
			8/7/2018	109.36	3192.44
			11/7/2018	109.39	3192.41
			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

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	2/21/2018	99.36	3192.36
			5/9/2018	99.36	3192.36
			8/7/2018	99.35	3192.37
			11/7/2018	99.33	3192.39
			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
ACW-14	157 to 177	3294.74	2/21/2018	100.36	3194.38
			5/9/2018	100.37	3194.37
			8/7/2018	100.34	3194.40
			11/7/2018	100.47	3194.27
			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

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	2/21/2018	102.35	3190.40
			5/9/2018	102.33	3190.42
			8/7/2018	102.32	3190.43
			11/7/2018	102.31	3190.44
			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
ACW-16	156 to 176	3307.89	2/21/2018	109.50	3198.39
			5/9/2018	109.22	3198.67
			8/7/2018	109.30	3198.59
			11/7/2018	109.37	3198.52
			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

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	2/21/2018	108.49	3197.68
			5/9/2018	108.32	3197.85
			8/7/2018	108.44	3197.73
			11/7/2018	108.56	3197.61
			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
ACW-18	160 to 180	3303.15	2/21/2018	107.51	3195.64
			5/9/2018	107.39	3195.76
			8/7/2018	107.40	3195.75
			11/7/2018	107.44	3195.71
			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

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	2/21/2018	106.38	3196.30
			5/9/2018	106.24	3196.44
			8/7/2018	106.26	3196.42
			11/7/2018	106.32	3196.36
			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
ACW-20	154 to 174	3303.5	2/21/2018	108.59	3194.91
			5/9/2018	108.41	3195.09
			8/7/2018	108.46	3195.04
			11/7/2018	108.52	3194.98
			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

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	2/21/2018	105.46	3196.36
			5/9/2018	105.74	3196.08
			8/7/2018	105.84	3195.98
			11/7/2018	105.81	3196.01
			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
ACW-22	102 to 122	3306.24	2/21/2018	112.15	3194.09
			5/9/2018	111.97	3194.27
			8/7/2018	111.91	3194.33
			11/7/2018	112.05	3194.19
			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

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	2/21/2018	112.25	3194.04
			5/9/2018	112.09	3194.20
			8/7/2018	112.08	3194.21
			11/7/2018	112.09	3194.20
			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
ACW-24	166 to 186	3305.56	2/21/2018	110.69	3194.87
			5/9/2018	110.54	3195.02
			8/7/2018	110.49	3195.07
			11/7/2018	110.51	3195.05
			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

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	2/21/2018	103.48	3194.11
			5/9/2018	103.37	3194.22
			8/7/2018	103.31	3194.28
			11/7/2018	103.31	3194.28
			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
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

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
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
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

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-30S	95 to 120	3300.17	11/7/2018	104.55	3195.62
			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
ACW-30D	165 to 185	3300.15	11/7/2018	104.83	3195.32
			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

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-32S	95 to 120	3299.60	11/7/2018	107.12	3192.48
			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
ACW-32D	150 to 170	3299.61	11/7/2018	107.13	3192.48
			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

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-01	123 to 148	3306.71	2/21/2018	107.79	3198.92
			5/9/2018	107.63	3199.08
			8/7/2018	107.64	3199.07
			11/7/2018	107.65	3199.06
			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
ENSR-03	123 to 148	3305.05	2/21/2018	107.17	3197.88
			5/9/2018	107.04	3198.01
			8/7/2018	107.13	3197.92
			11/7/2018	107.20	3197.85
			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

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)
EPNG-01	120 to 160	3310.03	2/21/2018	109.19	3200.84
			5/9/2018	109.12	3200.91
			8/7/2018	109.22	3200.81
			11/7/2018	109.18	3200.85
			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
PTP-01	110 to 130	3305.67	2/21/2018	107.74	3197.93
			5/9/2018	107.66	3198.01
			8/7/2018	107.73	3197.94
			11/7/2018	107.77	3197.90
			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

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-01	109 to 179	3302.16	2/21/2018	105.64	3196.52
			5/9/2018	105.49	3196.67
			8/7/2018	105.58	3196.58
			11/7/2018	105.80	3196.36
			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
RW-02	105 to 175	3303.71	2/21/2018	109.51	3194.20
			5/9/2018	109.29	3194.42
			8/7/2018	109.29	3194.42
			11/7/2018	109.25	3194.46
			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

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-03	136.7 to 176.7	3302.65	2/21/2018	106.40	3196.25
			5/9/2018	106.20	3196.45
			8/7/2018	106.31	3196.34
			11/7/2018	106.29	3196.36
			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
RW-04	154 to 174	3303.26	2/21/2018	108.71	3194.55
			5/9/2018	108.51	3194.75
			8/7/2018	108.56	3194.70
			11/7/2018	108.63	3194.63
			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

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	0.0016	0.00077 J	< 0.0016	19,000	11,000	6,900	1,800
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	0.00077 J	< 0.0016	11,000	6,200	2,600	270
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
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	0.0014	< 0.00050	< 0.0016	8,800	6,000	2,500	150 J
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	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
ACW-07		5/7/1997	0.00730	0.00250	0.00310	0.00170	13,200	8,100	3,600	---
		10/22/1997	0.00640	0.00340	0.00300	0.00300	13,800	7,500	4,400	2,500
		5/13/1998	0.00700	0.00320	0.00210	* 0.00170	14,000	11,000	4,300	---
		10/21/1998	0.00800	0.00300	* 0.00200	< 0.00200	14,000	8,290	4,400	3,100
		5/12/1999	---	---	---	---	14,300	7,420	4,900	---
		10/21/1999	0.00720	0.00530	0.00240	< 0.00400	14,700	8,010	4,800	3,300
		5/10/2000	---	---	---	---	14,900	8,900	7,100	---
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	12,500	8,400	5,100	710
		5/6/2001	---	---	---	---	16,400	8,980	6,800	---
	D	5/6/2001	---	---	---	---	16,300	9,640	6,500	---
		10/24/2001	0.00740	< 0.00200	< 0.00200	0.00240	17,400	9,180	8,500	3,600
		4/30/2002	---	---	---	---	17,400	9,120	6,400	---
		11/5/2002	0.01200	0.00110	0.00240	< 0.00300	14,000	8,900	5,200	3,600
		11/5/2003	0.01930	0.00130 J	0.00470	0.00240 J	13,750	2,050	5,650	3,180
		11/12/2004	0.01400	0.00054 J	0.00320	0.00130	14,290	10,400	5,610	3,140
		5/24/2005	0.01780	< 0.00200	0.00370	0.00310 J	16,460	11,667	5,515	3,707
		12/13/2005	0.01640	< 0.01000	0.00510 J	< 0.03000	16,690	9,900	4,940	3,600
		5/9/2006	0.01810	< 0.00200	0.00470	< 0.00600	16,220	5,300	6,030	2,720
		8/23/2006	0.01460	< 0.00200	0.00430	< 0.00600	16,020	< 9,940 R H	5,890	3,170
		3/7/2007	0.01700	< 0.00100	0.00610	0.00150	15,580	9,980	5,810	3,450
		11/13/2007	0.02100	< 0.00100	0.00700	0.00130	15,080	9,620	5,660	3,410
		11/18/2008	0.01600	< 0.00100	0.00790	0.00100	15,390	9,380	5,820	3,180
		2/19/2010	0.00470	< 0.00100	0.00760	0.00110	1,570	7,720	5,090	2,350
		12/6/2010	0.01500	0.01100	0.00028 J	< 0.00100	1,632	9,610	6,470	3,230
		12/6/2010	0.01500	0.01100	0.00029 J	< 0.00100	---	10,300	7,190	3,210

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance 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
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)	D	5/1/2002	---	---	---	---	8,160	3,800	2,900	---
		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
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

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)		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	0.019	< 0.00041	< 0.00050	< 0.0016	18,000	13,000	6,000	240
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
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
ACW-13		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	< 0.0016	7,300	6,900	2,200	< 92
		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
ACW-14		2/20/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	830	570	86	---
		5/7/1997	0.00088	0.00110	0.00052	< 0.00100	746	480	72	---
		8/20/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	691	460	80	81
		10/22/1997	< 0.00050	0.00120	< 0.00050	0.00150	747	440	71	81
		2/24/1998	< 0.00050	< 0.00050	< 0.00050	0.00058 J	755	470	40	87
		5/13/1998	0.00075	< 0.00050	< 0.00050	< 0.00100	880	530	58	97
		8/11/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	730	496	160	90
		10/21/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	771	466	71	97
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	859	524	88	110
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	764	500	62	95
		8/9/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	791	471	58	91
		10/21/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	753	469	68	98
		2/22/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	738	499	53	97
		5/10/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	761	485	61	110
		8/7/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	750	439	65	95
		11/1/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	1,630	1,090	420	300
		2/21/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	883	517	100	110
		5/3/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	809	499	89	100
		8/2/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	771	476	70	89
		10/24/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	761	449	71	82
		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

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)		3/26/2003	< 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
		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

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)	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
		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

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)		9/30/2015	< 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
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	---	---
	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	---	---
		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
		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

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)		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
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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-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
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 El Paso Natural Gas Company, LLC
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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-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
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
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

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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-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		1/6/2015	0.07550	0.00064	0.00095	0.00345	3,470	2,180	972	539
		12/3/2015	0.08410	0.00156	0.00924	0.01480	3,970	2,560	1,080	641 B
		12/1/2016	0.06390	0.00052	0.00201	0.00217	4,110	2,520	1,050	587 B
		11/28/2017	0.04760	0.00057 J	0.00137	0.00224	4,600	2,960	1,320	645 B
		11/7/2018	0.04730	< 0.00100	0.00225	0.00220	6,300	2,570 H	1,240	772
		12/18/2019	0.05200	0.00320	0.00910	0.00620	5,200	2,500	1,300 B	820 B
		12/9/2020	0.069	0.0083	0.010	0.0061 J	5,900	3,100	1,400 J	810
		12/1/2021	0.046	0.0070	0.0079	0.0070 J	5,200	3,000	1,400	780
		12/1/2022	0.024	0.0066	0.0030	0.0028 J	5,500	3,700	1,500	2,000
ACW-20		1/12/2015	0.06820	0.00988	0.00986	0.00755	137,000	86,600	73,200	---
		12/3/2015	0.07080	0.00876	0.01290	0.00995	140,000	116,000 H	70,400	43,500
		12/1/2016	0.09420	0.01050	0.01740	0.01240	130,000	117,000	58,200	40,200
		11/28/2017	0.05530	0.00874	0.00503	0.00410	150,000	136,000	80,600	46,700 B
		11/7/2018	0.05620	0.00871	0.00640	0.00399 J	189,000	182,000 H	75,600	192 J
	D	11/7/2018	0.05530	0.01130	0.00824	0.00616 J	190,000	164,000 H	73,000	46,400 J
		12/18/2019	0.06900	0.01100	0.00870	0.00640	150,000	82,000	81,000 B^	42,000 B
		12/9/2020	0.088 J	0.0084	0.0059	0.0037 J	180,000	120,000 J	72,000	44,000
	D	12/9/2020	0.054 J	0.0071	0.0054	0.0040 J	170,000	120,000 J	74,000	35,000
		12/1/2021	0.056	0.0059	0.0055	0.0043 J	150,000	120,000	89,000	2,800
	D	12/1/2021	0.049	0.0073	0.0057	0.0043 J	180,000	120,000	67,000	200 ^2
		12/1/2022	0.055	0.0059	0.0042	0.0026 J	180,000	98,000 E	70,000	42,000
	D	12/1/2022	0.057	0.0070	0.0048	0.0035 J	160,000	110,000 E	71,000	42,000

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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-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
ACW-22		12/1/2022	0.061	< 0.00041	< 0.00050	0.0020 J	2,000	1,100	280	36
		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
ACW-23		12/1/2022	0.00071 J	< 0.00041	< 0.00050	< 0.0016	2,300	1,300	360	72
		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
ACW-24		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,200	2,100	660	160 F2
		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
ACW-24		12/1/2022	0.0021	< 0.00041	< 0.00050	< 0.0016	120,000	87,000 E	55,000	4,100

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Regulatory Limit			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
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
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	< 0.0016	4,000	3,200	1,200	860
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
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

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-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
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
ACW-32S	D	12/1/2022	0.0013	< 0.00041	< 0.00050	< 0.0016	42,000	30,000	17,000	1,200
		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
ACW-32D		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
		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
ACW-32D		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,400	830	220	40

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

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
ENSR-02		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	0.00079	< 0.0016	17,000	9,700	5,900	450
		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
		12/3/2015	0.00830	0.00113	0.00079 J	< 0.00037	2,740	1,850 H	811	191
		12/1/2016	0.01060	< 0.00020	0.00080 J	< 0.00037	2,800	1,840	741	185 B
Oxy Supply		5/13/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	800	480	120	65
		8/11/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	762	604	120	67
		10/20/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	734	488	100	---
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	810	407	120	82
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	808	468	120	71
		8/11/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	831	466	140	72
		10/22/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00400	788	490	130	73
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00600	630	392	38	71
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	835	504	120	72
		8/7/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	802	433	120	68
		11/2/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	662	475	120	71
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	805	442	130	68
		5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	781	481	140	65
		8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	807	532	120	66
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	822	500	120	64
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	827	552	34	60
		11/6/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	820	580	140	73
		3/26/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	870	556	162	53
		5/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	863	544	190	61
		8/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	786	500	126	64

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 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)		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
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
		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
Doom Supply		2/24/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	634	410	38	64
		5/13/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	640	410	30	
		8/10/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	629	450	34	71
		10/20/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	636	464	35	69
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	627	364	31	72
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	630	381	34	72
		8/11/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	629	372	30	73
		10/21/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00400	617	400	32	77
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00600	814	506	130	69
		5/10/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	619	417	31	72

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	< 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
PTP-01		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
		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	< 0.00050	< 0.0016	1,800	1,100	290	430

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	--
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

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

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Appendix A

Site Chronology

March 2023

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SITE CHRONOLOGY

Date	Activity
1952	Jal #4 Plant was constructed. It consisted of a gas plant, purification plant, dehydration plant, and compressor facilities. Brine and wastewater was 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.

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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.

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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.

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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.

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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.

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Appendix B

2022 Quarterly HMI Data

March 2023



Hydrologic Monitoring

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

Phone 713.464.5206

Fax 713.464.5207

April 4, 2022

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

Subject: 1Q22 Groundwater Monitoring, March 29, 2022
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 29, 2022

Groundwater Sampling Forms and Field Instrument Calibration Record

Chain-of-Custody Form

El Paso ARF

Groundwater Sampling SOP

Field Activities Narrative

1. HMI equipped the sampled-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 obligations are 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 the shallow well & ACW-27 is the deep well; ACW-28 is the shallow well & ACW-29 is the deep well).
3. 1Q22 sitewide gauging and groundwater sampling was conducted March 29, 2022.
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:

Dup-01 @ ACW-13 (all parameters)

Dup-02 @ ACW-30D (all parameters)

Dup-03 @ ACW-20 (all parameters)

Dup-04 @ ACW-29 (all parameters)

FB-01 @ ACW-09 (Dissolved propane, methane, ethane, N-butane only)

FB-02 @ ACW-06 (Dissolved propane, methane, ethane, N-butane only)

Trip Blank-01 (BTEX)

6. Since 4Q20, groundwater samples submitted to:
Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
3355 McLemore Drive
Pensacola, FL 32514
FedEx account # - 2301-5223-3

Dissolved Gas (propane, methane, ethane, N-butane) was analyzed 4Q21.

Proper chain-of-custody was maintained.

7. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated in routine groundwater monitoring, in an agency-recommended, safe, cost-effective manner. Per El Paso Natural Gas Company (Kinder Morgan), a labeled 55-gallon steel drum with prototyped *ventilated barrel cover* (attached to drum by standard, bolt-ring closure), is strapped (on wooden pallet) to steel posts near RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating “24/7”, since 2Q20. IDW purgewater from 4Q21 (35 gal) was fully-evaporated to dryness, and 5 gallons were added in 1Q22.



Jal #4 Gas Plant, Jal, New Mexico – Drum with Ventilated Barrel Cover



Jal #4 Gas Plant, Jal, New Mexico - Field-Deployed Drum with Ventilated Barrel Cover – Successfully evaporates groundwater monitoring IDW purgewater “24-7”



Jal #4 Gas Plant, Jal, New Mexico - Field-Deployed Drum with Ventilated Barrel Cover (Well RW-2 Enclosure)

Site notes:

8. AECOM notifies Jal Facility Mgr. prior to sampling events; EP notifies JR Oil and Gas re: Fmr Oxy Well sampling. Note – Oxy sold its former Jal property to JR Oil and Gas in 3Q21.

Since 1Q22, 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].

Check-in @ trailer (fmr contact-Ken Parker retired in 3Q21).

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

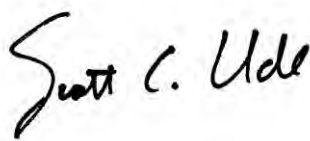
Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside well shed, on Mr. Jerold Doom’s ranch (nephew-Dylan Doom; follow driveway into ranch, then down to left; shed on right).

Lab - Eurofins-Pensacola, FL lab, 4Q20 (PM Cheyenne Whitmire, since 1Q22).

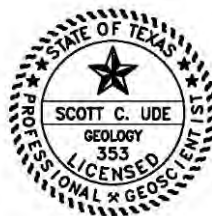
HMI appreciates the opportunity to assist El Paso Natural Gas Company and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on April 4, 2022.

Attachments

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

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
March 29, 2022

Well I.D.	1,2,3Q # Wells Sampled	1,2,3Q # Wells Gauged	4Q # Wells Sampled	4Q # 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	105.15	0.00	0.00	3,197.00	30.30	135.45	1.9	110-130	130.5	4" PVC	8.34	20.3	14,170	0.4	-232.2	0.4	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.48	0.00	0.00	3,196.68	20.01	125.49	2.0	98-118	120.5	4" PVC	10.03	20.7	10,290	0.5	-256.1	2.6	Clear	
ACW-03		3		1	No	3,301.62	NP	105.07	0.00	0.00	3,196.55	30.05	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	106.99	0.00	0.00	3,195.06	64.11	171.10	1.7	154-169	169.1	4" PVC	7.77	20.9	8,970	1.1	-148.0	5.1	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.02	0.00	0.00	3,194.16	14.35	117.37	1.5	105-115	114.4	4" PVC	6.44	18.5	8,330	1.8	-82.6	7.2	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.19	0.00	0.00	3,195.65	15.44	122.63	1.7	110-120	119.6	4" PVC	8.24	17.8	6,110	1.9	-156.7	4.6	Clear	FB-02
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	7.26	18.6	8,800	1.9	116.4	3.8	Clear	
ACW-08		8		2	No	3,299.54	NP	103.20	0.00	0.00	3,196.34	56.71	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	110.13	0.00	0.00	3,194.56	52.35	162.48	2.4	140-160	159.5	4" PVC	6.30	20.9	27,010	1.3	-18.7	4.4	Clear	FB-01
ACW-10		10	8		Yes	3,299.82	NP	106.24	0.00	0.00	3,193.58	56.80	163.04	2.5	140-160	160.0	4" PVC	6.69	21.6	13,500	1.5	122.0	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.58	0.00	0.00	3,196.06	56.10	161.68	2.1	140-161	159.7	4" PVC	6.30	22.9	42,100	2.6	-33.8	6.2	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.28	0.00	0.00	3,192.52	62.65	171.93	2.5	150-170	168.9	4" PVC	6.54	21.6	9,540	1.5	-36.9	3.2	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.25	0.00	0.00	3,192.47	76.37	175.62	2.0	153-173	172.6	4" PVC	7.13	20.9	2,820	2.4	266.3	0.8	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.23	0.00	0.00	3,194.51	75.99	176.22	2.0	157-177	173.2	4" PVC	7.46	20.2	893	2.9	-73.4	4.6	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	7.13	20.8	1,325	2.3	263.2	0.6	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.11	0.00	0.00	3,198.78	67.83	176.94	2.4	156-176	174.9	4" PVC	7.27	20.1	15,070	1.0	-152.3	0.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	107.29	0.00	0.00	3,198.88	64.49	171.78	2.6	151-171	169.8	4" PVC	6.89	23.2	15,200	1.9	-107.5	5.2	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.23	0.00	0.00	3,195.92	69.97	177.20	2.5	160-180	175.2	4" PVC	6.88	20.8	56,900	0.4	-57.0	0.4	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.18	0.00	0.00	3,196.50	14.98	121.16	2.2	98-118	119.2	4" PVC	7.14	21.8	7,200	1.8	-115.4	5.5	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.38	0.00	0.00	3,195.12	65.65	174.03	2.2	154-174	172.0	4" PVC	6.38	21.7	129,200	3.1	-130.2	5.9	Clear	Dup-03
ACW-21		18	19		Yes	3,301.82	NP	105.68	0.00	0.00	3,196.14	14.84	120.52	2.1	98-118	118.5	4" PVC	6.78	21.3	1,895	2.3	-113.6	4.2	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	6.91	20.7	2,263	1.5	-13.9	4.9	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.90	0.00	0.00	3,194.39	57.81	169.71	2.3	147-167	167.7	4" PVC	6.77	21.9	3,190	2.4	-33.3	3.1	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.67	0.00	0.00	3,194.89	78.45	189.12	2.2	166-186	187.1	4" PVC	5.78	17.7	100,660	1.9	73.5	4.0	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.21	0.00	0.00	3,194.38	71.47	174.68	2.1	151-171	172.7	4" PVC	6.71	18.5	39,800	1.5	18.1	3.8	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.27	0.00	0.00	3,199.00	20.33	130.60	1.6	103-128	125.6	4"PVC	7.10	20.1	1,227	2.4	84.1	7.6	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.25	0.00	0.00	3,198.97	66.95	177.20	1.8	160-180	167.2	4"PVC	6.68	19.5	2,290	2.3	18.2	4.4	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.83	0.00	0.00	3,197.66	19.47	128.30	1.8	102-127	123.3	4"PVC	6.65	21.0	467	1.8	36.8	5.4	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.69	0.00	0.00	3,197.66	68.10	176.79	1.8	160-180	166.8	4"PVC	6.71	20.9	599	1.9	82.9	3.9	Clear	Dup-04
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	7.81	18.1	967	2.5	-3.2	6.3	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.71	0.00	0.00	3,195.44	82.72	187.43	2.3	165-185	177.4	3" PVC	6.57	18.6	35,200	2.1	-63.9	6.3	Clear	Dup-02
ACW-32S		28	30		Yes	3,299.60	NP	106.89	0.00	0.00	3,192.71	15.44	122.33	2.5	95-120	117.3	3" PVC	6.80	19.6	4,910	3.0	161.1	4.0	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.88	0.00	0.00	3,192.73	65.76	172.64	2.5	150-170	162.6	3" PVC	7.09	20.6	3,090	1.6	187.4	2.6	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.69	18.7	933	2.6	18.0	2.7	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.42	0.00	0.00	3,199.29	47.93	155.35	1.6	123-148	150.4	4" PVC	7.16	20.8	13,970	1.3	-151.9	0.4	Clear	
ENSR-03		31		3	No	3,305.05	NP	106.99	0.00	0.00	3,198.06	48.11	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	109.04	0.00	0.00	3,200.99	54.89	163.93	AG	120-160	160.9	6" Steel	7.70	20.4	980	2.7	-175.1	2.3	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	20.2	2,200	1.5	-110.4	8.6	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.56	0.00	0.00	3,198.11	NM	136.09	2.3	110-130	131.1	2" PVC	6.96	21.7	2,800	1.9	-52.8	1.6	Clear	
RW-01		34		4	No	3,302.16	NP	105.41	0.00	0.00	3,196.75	76.22	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.21	0.00	0.00	3,194.50	64.44	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.14	0.00	0.00	3,196.51	71.55	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	108.42	0.00	0.00	3,194.84	67.74	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 29, 2022
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: TAB
Well Condition: OK

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

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: 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
3/29/22	800	NP	100.23	0.00	0.00	176.22	173.2	157-177				Weather: pt/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
3/29/22	805	100.42	0.5	7.78	20.1	961	4.0	-89.7	7.7	Low-flow purge-sample with	Clear
	807	100.44	1.0	7.66	20.2	934	3.6	-80.2	7.2	HMI's dedicated bladder pump	
	810	100.48	1.5	7.54	20.2	910	3.3	-78.6	6.6		
	813	100.50	2.0	7.52	20.2	908	3.2	-76.1	6.3		
	815	100.50	2.5	7.50	20.2	898	3.2	-74.0	5.9		
	817	100.50	3.0	7.48	20.2	896	3.0	-73.6	4.9		
	820	100.50	3.5	7.46	20.2	894	2.9	-73.6	4.7		
	823	100.50	4.0	7.46	20.2	893	2.9	-73.4	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
3/29/22	825	ACW-14	100.50	7.46	20.2	893	2.9	-73.4	4.6	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Monitoring Well Purging and Sampling Record

Paso Natural Gas Company

Jal #4 Gas Plant

Lea County, New Mexico

Well: ACW-15

Hydrologic Monitoring

Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/19/22	1000	NP	102.15	0.00	0.00	171.57	168.6	150-170				Weather: p/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
3/19/22	1005	102.25	0.5	7.25	22.2	1392	3.4	267.4	2.8	Low-flow purge-sample with	clear
	1007	101.27	1.0	7.22	22.1	1310	3.2	267.7	2.0	HMI's dedicated bladder pump	
	1010	102.27	1.5	7.20	20.6	1212	3.0	268.0	1.7		
	1013	102.28	2.0	7.18	20.9	1339	2.9	267.1	1.5		
	1015	102.28	2.5	7.16	20.8	1330	2.7	266.4	1.4		
	1017	102.28	3.0	7.15	20.8	1328	2.5	265.8	1.3		
	1020	102.28	3.5	7.14	20.8	1327	2.4	264.7	1.0		
	1025	102.28	4.0	7.13	20.8	1325	2.3	263.2	0.6		

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
3/19/22	1025	ACW-15	102.28	7.13	20.8	1325	2.3	263.2	0.6	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: *cos*
 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
3/29/22	855	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
3/29/22	900	NA	1.0	7.80	18.1	957	2.0	-44.2	4.7	Mr. Doom's water supply well;	clear
	901	↓	2.0	7.76	18.3	949	2.2	-19.4	4.7	sampled at spigot inside	
	902	↓	3.0	7.72	18.6	935	2.4	11.6	3.6	Mr. Doom's shed; purged	
	903	↓	4.0	7.69	18.7	933	2.6	18.0	2.7	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
3/29/22	905	Doom Well	NA	7.69	18.7	933	2.6	18.0	2.7	Per COC	Per Lab	Pensacola, FL 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: OXY Well

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
3/29/22	825	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
3/29/22	830	NA	1.0	7.61	17.8	2640	1.4	-44.1	14.6	OXY bldg. water supply well;	Clear
	831	↓	2.0	7.33	21.4	2270	1.5	-82.3	11.3	sampled at outdoor spigot (to	
	832	↓	3.0	7.29	21.8	2260	1.8	-86.6	9.7	right of front door; pliers may be	
✓	833	↓	4.0	7.26	20.2	2200	1.5	-110.4	8.6	needed); purge 4 gal prior to	↓
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/29/22	835	OXY Well	NA	7.26	20.2	2200	1.5	-110.4	8.6	Per COC	Per Lab	Pensacola, FL Lab: Eurofins TA, Houston, TX

Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

[illegible]

Eurofins TestAmerica, Pensacola

3355 McLemore Drive

Pensacola, FL 32514

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

Chain of Custody Record


 1. Revision
 2. Revision
 3. Revision

Client Information Client Name: Mr. Christopher Wallace Gilmore Address: 19219 Katy Hwy, Ste 100 City: Houston State: TX 77060 Phone: 281-200-1111 Email: wallace.gilmore@acorn.com Project Name: JAL 84 Gas Plant 1922		Sample ID: 832-247-4521 Date: 3/21/22 Time: 1:40 Location: 19219 Katy Hwy, Ste 100		Analysis Requested: VOCs, SVOCs, PCBs, PAHs, etc. (List of analytes)	
Sample Identification Sample Name: ACW-13 Sample Date: 3/21/22 Sample Time: 9:25 Sample Type: Water Matrix: Water		Sample Name: ACW-14 Sample Date: 3/21/22 Sample Time: 9:25 Sample Type: Water Matrix: Water		Sample Name: ACW-15 Sample Date: 3/21/22 Sample Time: 10:25 Sample Type: Water Matrix: Water	
Sample Name: Doom Well Sample Date: 3/21/22 Sample Time: 11:05 Sample Type: Water Matrix: Water		Sample Name: OXY Well Sample Date: 3/21/22 Sample Time: 8:35 Sample Type: Water Matrix: Water		Sample Name: Dup-01 Sample Date: 3/21/22 Sample Time: 10:00 Sample Type: Water Matrix: Water	
Sample Name: Trip Blank-01 Sample Date: 3/21/22 Sample Time: - Sample Type: Water Matrix: Water					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Corrosive ☐ Radioactive		Sample Disposed: (If the box is checked, please provide the disposal location and date)			
Deliverable Requested: (I, II, III, IV, Other (Specify))		Sample Disposed: (If the box is checked, please provide the disposal location and date)			
Empty Kit Returned by: [Signature] Date: 3/21/22		Date: 3/21/22			
Analyzed by: [Signature] Date: 3/21/22		Date: 3/21/22			
Released by: [Signature] Date: 3/21/22		Date: 3/21/22			

ARF FORM: SHEET 1

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev_7_04032017	
 Analytical Request Form (ARF) Project Information	
Current Site Company/Pipeline Name: <u>EPNG</u> ARF #: <u>ERG-ARC-03-07-22-ARS-01</u> xxx-xxx-mm-dd-yy-xxx-##	
ENFOS AOC / Project Name (make sure to match ENFOS AOC): <u>Jal #4 Gas Plant RWIP</u>	
FOR LAB USE ONLY	
Lab Work Directive (WD)/ENFOS WD/PO# <u>Joe Wiley will provide the new work directive number for Eurofins Environment Testing Southeast, LLC</u>	
Lab Cost Cluster: <u>CC06_Monitoring</u> Lab Subtask: <u>Lab - I (1.4, 2.3, 7.3, 8.4)(19)</u>	
Project Billing : ☒ Lab Enters Invoice Through Enfos ☐ Paper invoice mailed to KM PM listed below ☐ Other/ Describe: _____	
Site Description or contaminants of concern <u>BTEX, Chloride, Sodium, TDS, Specific Conductance</u>	
Site Address: <u>9 Miles North of Jal, NM on Hwy 18</u>	
City: <u>Jal</u> State: <u>NM</u> Country: <u>USA</u>	
Regulatory Agency: <u>NMOCD</u>	
Project Type (RCRA, CERCLA, TRRP): _____	
Anticipated Start Date: <u>3/29/2022</u> Anticipated Completion Date: <u>3/29/2022</u>	
Frequency of Sampling: _____ Sampling Plan Attached: <u>No</u>	
Are there Additional Requests/ Special Instructions on Page 2? <u>No</u>	
Title(s)/Date(s) of attached sampling information: _____	

Project Management Contacts

KM Contact	
KM Office: <u>Houston</u> ☒ Copy on ARF Distribution	
Address: <u>1001 Louisiana Street, Room 1445B</u> <u>Houston, TX 770022</u>	
KM Project Manager: <u>Joe Wiley</u>	
Phone : <u>713-420-3475</u>	Fax: _____ E-mail: Joe_Wiley@KinderMorgan.com
Designated Consultant Contact	
Designated Consultant Firm Name: <u>AECOM</u> ☒ Copy on ARF Distribution	
Address: <u>19219 Katy Freeway, Suite 100</u> <u>Houston, TX 77094</u>	
Designated Consultant Project Manager: <u>Wally Gilmore</u>	
Phone : <u>713-542-9523</u>	Fax: _____ E-mail: wallace.gilmore@aecom.com
Laboratory Contact	
Laboratory Name: <u>Eurofins Environment Testing Southeast, LLC</u> ☒ Copy on ARF Distribution	
Address: <u>3355 McLemore Drive</u> <u>Pensacola, FL 32514</u>	
Laboratory Project Manager: <u>Cheyenne R. Whitmire</u>	
Phone : <u>850-471-6222</u>	Fax: _____ E-mail: Cheyenne.Whitmire@Eurofinset.com
Additional Parties to Receive ARF:	
Name: _____ Affiliation: _____	E-mail: _____
Name: _____ Affiliation: _____	E-mail: _____
Name: _____ Affiliation: _____	E-mail: _____

Copy of Jal #4_2022 1st Qtr ERG ARF

ARF FORM: SHEET 1

Data Deliverables

Data Package Deliverables supplied to:

Required Data Deliverables Format(s):

Required Format of Electronic Data Deliverables

PDF
ExcelHardcopy
EquisPDF and Hardcopy
Enfos

CD

Size Limitation for e-mail of deliverable

20 **MB** or Unlimited

Forward the Electronic Data Deliverables to:

Name

E-Mail Address

Wally Gilmore

wallace.gilmore@aec.com**Special Instructions for data package or electronic deliverable?:****Record of ARF Initiation and Revisions**

Initiated ARF:

Name: Wally Gilmore

Date: 3/7/2022

Laboratory Acceptance:

Name: Cheyenne Whitmire

Date: 3/8/2022

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:

ARF FORM: SHEET 2

Parameters and Analytical Methods Requested

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev 7 04032017

Projected Analytical Plan & Number of Samples to be Collected																
Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other		Compound List or Parameter	Analytical Method	Matrix Code	DP/TAT Level Code	Number of Investigative Samples	Number of Samples for Hold/Archival	Quality Control Samples				Total Number of Samples Expected	Total Number of Samples Analyzed	For Laboratory Use Only		
								MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates			Number of Samples Received by Laboratory	Unit Rate	Total Cost
	BTEX	8260B	W	L2/28D	5	0	0	1	0	1	7			25		
	Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	6			10		
	Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	6			12		
	Sodium	EPA SW846 6010B	W	L2/28D	5	0	0	0	0	1	6			10		
	Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	6			10		
	Metals Digestion Fee	EPA SW846 6010B	W	L2/28D	5	0	0	0	0	1	6			5		
															\$	-

Sampling Frequency: SINGLE EVENT WEEKLY MONTHLY QUARTERLY SEMI-ANNUAL ANNUAL OTHER/DESCRIBE:

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

Are SW-846 Method 5035 volatile organic analyses requested? No If yes, what container is required? Tared Vials Methanol Vials 4-oz. jars EnCore Kits Terra Core Kits

Does an approved QAPJP exist? No Title: Revision/Date

Are reporting estimated values "J" required for results less than the reporting limit? Yes

Are tentatively identified compounds (TICs) required? Volatiles Semivolatiles

Sample retention time (post reporting): 30 days (standard) Other (Hold for ____ days)

Ship Bottles to:

Name Scott Ude

Consultant HMI

Location Name

Street Address 1654 W Sam Houston Pkwy N

City, State, Zip Houston, Texas 77043

Phone Number 713-714-1624

Date/Time Bottles Required 9/1/2021

Shipping Return:

FedEx UPS Laboratory Courier

Saturday Receipt

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to: Not Applicable		<u>LAB USE ONLY</u> Internal Laboratory Work Order Number
Company Name	_____	
Name	_____	
Street Address	_____	
City, State, Zip	_____	
Phone Number	_____	
Invoice Approval		
Company Name	_____ Kinder Morgan	
Final Invoice		

Additional Requests and Instructions

Please have sampling kits delivered to HMI by March 21, 2022 and provide return shipping labels with the cooler(s).

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.



Hydrologic Monitoring

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

Phone 713.464.5206

Fax 713.464.5207

July 5, 2022

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

Subject: 2Q22 Groundwater Monitoring, June 29, 2022
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, June 29, 2022
Groundwater Sampling Forms and Field Instrument Calibration Record
Chain-of-Custody Form
El Paso 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 obligations are 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 the shallow well & ACW-27 is the deep well; ACW-28 is the shallow well & ACW-29 is the deep well).
3. 2Q22 sitewide gauging and groundwater sampling was conducted June 29, 2022.
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:

Dup-01 @ ACW-13 (all parameters)

Dup-02 @ ACW-30D (all parameters)...(Note - Gray font from previous event...)

Dup-03 @ ACW-20 (all parameters)

Dup-04 @ ACW-29 (all parameters)

FB-01 @ ACW-09 (Dissolved propane, methane, ethane, N-butane only)

FB-02 @ ACW-06 (Dissolved propane, methane, ethane, N-butane only)

Trip Blank-01 (BTEX)

6. Since 4Q20, groundwater samples submitted to:
Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
3355 McLemore Drive
Pensacola, FL 32514
FedEx account # - 2301-5223-3

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

Proper chain-of-custody was maintained.

7. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated in routine groundwater monitoring, in an agency-recommended, safe, cost-effective manner. Per El Paso Natural Gas Company (Kinder Morgan), a labeled 55-gallon steel drum with prototyped *ventilated barrel cover* (attached to drum by standard, bolt-ring closure), is strapped (on wooden pallet) to steel posts near RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating “24/7”, since 2Q20. IDW purgewater from 1Q22 (5 gal) was fully-evaporated to dryness, and 5 gallons were added in 2Q22.



Jal #4 Gas Plant, Jal, New Mexico – Drum with Ventilated Barrel Cover



Jal #4 Gas Plant, Jal, New Mexico - Field-Deployed Drum with Ventilated Barrel Cover – Successfully evaporates groundwater monitoring IDW purgewater “24-7”



Jal #4 Gas Plant, Jal, New Mexico - Field-Deployed Drum with Ventilated Barrel Cover (Well RW-2 Enclosure)

Site notes:

Per 2Q22 directive to HMI team, HMI should notify a contact below, in advance of planned daily site access - plant is closed / onsite personnel not guaranteed:

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

Since 1Q22, 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.

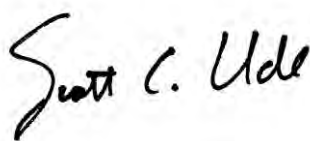
Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside their well shed, on Mr. Jerold Doom's ranch (nephew-Dylan Doom; follow driveway into ranch, then down to left; shed on right).

Lab - Eurofins-Pensacola, FL since 4Q20 (Cheyenne Whitmire, project mgr., since 1Q22).

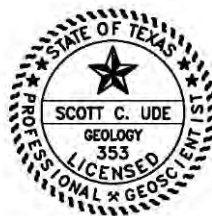
HMI appreciates the opportunity to assist El Paso Natural Gas Company and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on July 5, 2022.

Attachments

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

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
June 29, 2022

Well I.D.	1,2,3Q # Wells Sampled	1,2,3Q # Wells Gauged	4Q # Wells Sampled	4Q # 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	105.19	0.00	0.00	3,196.96	30.26	135.45	1.9	110-130	130.5	4" PVC	8.34	20.3	14,170	0.4	-232.2	0.4	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	10.03	20.7	10,290	0.5	-256.1	2.6	Clear	
ACW-03		3		1	No	3,301.62	NP	105.12	0.00	0.00	3,196.50	30.00	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	107.04	0.00	0.00	3,195.01	64.06	171.10	1.7	154-169	169.1	4" PVC	7.77	20.9	8,970	1.1	-148.0	5.1	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.14	0.00	0.00	3,194.04	14.23	117.37	1.5	105-115	114.4	4" PVC	6.44	18.5	8,330	1.8	-82.6	7.2	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.23	0.00	0.00	3,195.61	15.40	122.63	1.7	110-120	119.6	4" PVC	8.24	17.8	6,110	1.9	-156.7	4.6	Clear	FB-02
ACW-07		7	6		Yes	3,297.63	NP	102.35	0.00	0.00	3,195.28	15.04	117.39	1.5	105-115	114.4	4" PVC	7.26	18.6	8,800	1.9	116.4	3.8	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	110.18	0.00	0.00	3,194.51	52.30	162.48	2.4	140-160	159.5	4" PVC	6.30	20.9	27,010	1.3	-18.7	4.4	Clear	FB-01
ACW-10		10	8		Yes	3,299.82	NP	106.41	0.00	0.00	3,193.41	56.63	163.04	2.5	140-160	160.0	4" PVC	6.69	21.6	13,500	1.5	122.0	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.62	0.00	0.00	3,196.02	56.06	161.68	2.1	140-161	159.7	4" PVC	6.30	22.9	42,100	2.6	-33.8	6.2	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.37	0.00	0.00	3,192.43	62.56	171.93	2.5	150-170	168.9	4" PVC	6.54	21.6	9,540	1.5	-36.9	3.2	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.32	0.00	0.00	3,192.40	76.30	175.62	2.0	153-173	172.6	4" PVC	6.85	21.8	4,630	2.6	117.0	1.2	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.37	0.00	0.00	3,194.37	75.85	176.22	2.0	157-177	173.2	4" PVC	6.63	21.1	1,081	2.8	105.8	5.1	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	6.91	21.0	1,204	2.5	113.4	1.5	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.19	0.00	0.00	3,198.70	67.75	176.94	2.4	156-176	174.9	4" PVC	7.27	20.1	15,070	1.0	-152.3	0.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	107.31	0.00	0.00	3,198.86	64.47	171.78	2.6	151-171	169.8	4" PVC	6.89	23.2	15,200	1.9	-107.5	5.2	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.28	0.00	0.00	3,195.87	69.92	177.20	2.5	160-180	175.2	4" PVC	6.88	20.8	56,900	0.4	-57.0	0.4	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.21	0.00	0.00	3,196.47	14.95	121.16	2.2	98-118	119.2	4" PVC	7.14	21.8	7,200	1.8	-115.4	5.5	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.42	0.00	0.00	3,195.08	65.61	174.03	2.2	154-174	172.0	4" PVC	6.38	21.7	129,200	3.1	-130.2	5.9	Clear	Dup-03
ACW-21		18	19		Yes	3,301.82	NP	105.73	0.00	0.00	3,196.09	14.79	120.52	2.1	98-118	118.5	4" PVC	6.78	21.3	1,895	2.3	-113.6	4.2	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.85	0.00	0.00	3,194.39	13.19	125.04	2.5	102-122	123.0	4" PVC	6.91	20.7	2,263	1.5	-13.9	4.9	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.92	0.00	0.00	3,194.37	57.79	169.71	2.3	147-167	167.7	4" PVC	6.77	21.9	3,190	2.4	-33.3	3.1	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.72	0.00	0.00	3,194.84	78.40	189.12	2.2	166-186	187.1	4" PVC	5.78	17.7	100,660	1.9	73.5	4.0	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	6.71	18.5	39,800	1.5	18.1	3.8	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.24	0.00	0.00	3,199.03	20.36	130.60	1.6	103-128	125.6	4"PVC	7.10	20.1	1,227	2.4	84.1	7.6	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.23	0.00	0.00	3,198.99	66.97	177.20	1.8	160-180	167.2	4"PVC	6.68	19.5	2,290	2.3	18.2	4.4	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.90	0.00	0.00	3,197.59	19.40	128.30	1.8	102-127	123.3	4"PVC	6.65	21.0	467	1.8	36.8	5.4	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.73	0.00	0.00	3,197.62	68.06	176.79	1.8	160-180	166.8	4"PVC	6.71	20.9	599	1.9	82.9	3.9	Clear	Dup-04
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	7.81	18.1	967	2.5	-3.2	6.3	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	6.57	18.6	35,200	2.1	-63.9	6.3	Clear	Dup-02
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	6.80	19.6	4,910	3.0	161.1	4.0	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.89	0.00	0.00	3,192.72	65.75	172.64	2.5	150-170	162.6	3" PVC	7.09	20.6	3,090	1.6	187.4	2.6	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.88	24.4	739	3.2	70.9	6.4	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.52	0.00	0.00	3,199.19	47.83	155.35	1.6	123-148	150.4	4" PVC	7.16	20.8	13,970	1.3	-151.9	0.4	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.00	0.00	0.00	3,198.05	48.10	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	7.70	20.4	980	2.7	-175.1	2.3	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	26.4	1,348	1.2	-160.4	9.2	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	6.96	21.7	2,800	1.9	-52.8	1.6	Clear	
RW-01		34		4	No	3,302.16	NP	105.46	0.00	0.00	3,196.70	76.17	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	106.09	0.00	0.00	3,196.56	71.60	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	108.46	0.00	0.00	3,194.80	67.70	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 29, 2022
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

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: BA
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
6-29-22	955	NP	99.32	0.00	0.00	175.62	172.6	153-173				Weather: Partly Cloudy, 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
6-29-22	1000	99.47	0.5	7.10	22.0	4500	4.3	127.8	4.2	Low-flow purge-sample with	Clear
	1003	99.53	1.0	6.95	21.9	4550	3.8	125.1	3.6	HMI's dedicated bladder pump	
	1005	99.56	1.5	6.92	21.9	4570	3.3	122.9	3.0		
	1008	99.59	2.0	6.90	21.9	4590	3.0	120.4	2.7		
	1010	99.62	2.5	6.89	21.8	4600	2.9	119.5	2.2		
	1013	99.64	3.0	6.87	21.8	4610	2.7	118.7	1.9		
	1015	99.65	3.5	6.86	21.8	4620	2.6	117.9	1.6		
	1018	99.65	4.0	6.85	21.8	4630	2.6	117.0	1.2		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6-29-22	1020	ACW-13	99.65	6.85	21.8	4630	2.6	117.0	1.2	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: ACW-14

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BA
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
6-29-22	810	NP	100.37	0.00	0.00	176.22	173.2	157-177				Weather: Partly cloudy, 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
6-29-22	815	100.56	0.5	7.01	21.0	1171	3.9	134.5	8.4	Low-flow purge-sample with	clear
	818	100.58	1.0	6.89	21.0	1139	3.5	126.2	8.0	HMI's dedicated bladder pump	
	820	100.61	1.5	6.77	21.0	1108	3.2	119.4	7.4		
	823	100.63	2.0	6.74	21.0	1102	3.1	115.6	7.1		
	825	100.63	2.5	6.70	21.0	1091	3.1	111.9	6.8		
	828	100.63	3.0	6.68	21.0	1086	3.0	109.4	6.0		
	830	100.63	3.5	6.65	21.0	1083	2.9	107.9	5.5		
	833	100.63	4.0	6.63	21.1	1081	2.8	105.8	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
6-29-22	835	ACW-14	100.63	6.63	21.1	1081	2.8	105.8	5.1	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: ACW-15

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BA
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
6-29-22	900	NP	102.22	0.00	0.00	171.57	168.60	150-170				Weather: partly 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
6-29-22	905	102.31	0.5	7.07	21.5	1263	3.6	133.2	4.4	Low-flow purge-sample with HMI's dedicated bladder pump	clear
	908	102.33	1.0	7.04	21.3	1221	3.3	127.6	4.0		
	910	102.34	1.5	7.02	21.2	1216	3.0	125.4	3.7		
	913	102.35	2.0	7.00	21.1	1210	2.8	122.9	3.1		
	915	102.35	2.5	6.98	21.1	1210	2.7	119.7	2.7		
	918	102.35	3.0	6.95	21.0	1208	2.6	115.9	2.3		
	920	102.35	3.5	6.93	21.0	1206	2.6	114.1	1.9		
	923	102.35	4.0	6.91	21.0	1204	2.5	113.4	1.5		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6-29-22	925	ACW-15	102.35	6.91	21.0	1204	2.5	113.4		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: *WNS*
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
6/29/22	900	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Partly 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
6/29/22	905	NA	1.0	8.03	25.4	627	3.8	101.5	7.7	Mr. Doom's water supply well;	<i>CLEAR</i> ↓
	906	↓	2.0	7.89	23.6	720	3.0	89.4	6.2	sampled at spigot inside	
↓	907	↓	3.0	7.82	24.2	754	3.2	74.6	7.0	Mr. Doom's shed; purged	
	908	↓	4.0	7.88	24.4	739	3.2	70.9	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
6/29/22	910	Doom Well	NA	7.88	24.4	739	3.2	70.9	6.4	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Monitoring Well Purging and Sampling Record

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

Well: OXY Well

Hydrologic Monitoring
 Houston, Texas

Well Inspection Information

Initials: *hds*
 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
6/29/22	815	NA	NA	NA	NA	NA	NA	NA				
												Weather: <i>Partly 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
6/29/22	820	<i>NA</i>	1.0	<i>7.47</i>	<i>28.0</i>	<i>1417</i>	<i>1.4</i>	<i>-123.6</i>	<i>12.2</i>	OXY bldg. water supply well;	<i>clear</i>
	821		2.0	<i>7.58</i>	<i>22.2</i>	<i>1383</i>	<i>1.2</i>	<i>-184.6</i>	<i>13.6</i>	sampled at outdoor spigot (to	
	822		3.0	<i>7.49</i>	<i>26.2</i>	<i>1350</i>	<i>1.3</i>	<i>-154.0</i>	<i>9.8</i>	right of front door; pliers may be	
	823		4.0	<i>7.47</i>	<i>26.4</i>	<i>1348</i>	<i>1.2</i>	<i>-160.4</i>	<i>9.2</i>	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
6/29/22	825	OXY Well	NA	7.47	26.4	1348	1.2	-160.4	9.2	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Instrument Calibration Log

Lea County, New Mexico

Hydrologic Monitoring

[illegible]

ARF FORM: SHEET 1

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev_7_04032017	
	Analytical Request Form (ARF) Project Information
Current Site Company/Pipeline Name: <u>EPNG</u> ARF #: <u>ERG-ARC-06-15-22-ARS-02</u> xxx-xxx-mm-dd-yy-xxx-##	
ENFOS AOC / Project Name (make sure to match ENFOS AOC): <u>Jal #4 Gas Plant RWIP</u>	
FOR LAB USE ONLY	
Lab Work Directive (WD)/ENFOS WD/PO# <u>WD1040015</u>	
Lab Cost Cluster: <u>CC06_Monitoring</u> Lab Subtask: <u>Lab - I (1.4, 2.3, 7.3, 8.4)(19)</u>	
Project Billing : ☒ Lab Enters Invoice Through Enfos ☐ Paper invoice mailed to KM PM listed below ☐ Other/ Describe: _____	
Site Description or contaminants of concern <u>BTEX, Chloride, Sodium, TDS, Specific Conductance</u>	
Site Address: <u>9 Miles North of Jal, NM on Hwy 18</u>	
City: <u>Jal</u>	State: <u>NM</u> Country: <u>USA</u>
Regulatory Agency: <u>NMOCD</u>	
Project Type (RCRA, CERCLA, TRRP): _____	
Anticipated Start Date: <u>6/30/2022</u>	Anticipated Completion Date: <u>6/30/2022</u>
Frequency of Sampling: _____	Sampling Plan Attached: <u>No</u>
Are there Additional Requests/ Special Instructions on Page 2? <u>No</u>	
Title(s)/Date(s) of attached sampling information: _____ _____ _____	

Project Management Contacts

KM Contact	
KM Office: <u>Houston</u>	☒ Copy on ARF Distribution
Address: <u>1001 Louisiana Street, Room 1445B</u> <u>Houston, TX 770022</u>	
KM Project Manager: <u>Joe Wiley</u>	E-mail: Joe_Wiley@KinderMorgan.com
Phone : <u>713-420-3475</u>	Fax: _____
Designated Consultant Contact	
Designated Consultant Firm Name: <u>AECOM</u>	☒ Copy on ARF Distribution
Address: <u>19219 Katy Freeway, Suite 100</u> <u>Houston, TX 77094</u>	
Designated Consultant Project Manager: <u>Wally Gilmore</u>	E-mail: wallace.gilmore@aecom.com
Phone : <u>713-542-9523</u>	Fax: _____
Laboratory Contact	
Laboratory Name: <u>Eurofins TestAmerica, Pensacola</u>	☒ Copy on ARF Distribution
Address: <u>3355 McLemore Drive</u> <u>Pensacola, FL 32514</u>	
Laboratory Project Manager: <u>Cheyenne R. Whitmire</u>	E-mail: Cheyenne.Whitmire@Eurofinset.com
Phone : <u>850-471-6222</u>	Fax: _____
Additional Parties to Receive ARF:	
Name: _____	E-mail: _____
Affiliation: _____	
Name: _____	E-mail: _____
Affiliation: _____	
Name: _____	E-mail: _____
Affiliation: _____	

Jal #4_2022 2nd Qtr ERG ARF

ARF FORM: SHEET 1

Data Deliverables

Data Package Deliverables supplied to:

Required Data Deliverables Format(s):	PDF	Hardcopy	PDF and Hardcopy	CD
Required Format of Electronic Data Deliverables	Excel	Equis	Enfos	

Size Limitation for e-mail of deliverable 20 **MB** or Unlimited

Forward the Electronic Data Deliverables to:

	Name	E-Mail Address
	Wally Gilmore	wallace.gilmore@aecon.com

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:	Name: <u>Wally Gilmore</u>	Date: <u>6/15/2022</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: _____	

ARF FORM: SHEET 2

Parameters and Analytical Methods Requested

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev 7 04032017

[illegible]

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to: Not Applicable		<u>LAB USE ONLY</u> Internal Laboratory Work Order Number
Company Name	_____	
Name	_____	
Street Address	_____	
City, State, Zip	_____	
Phone Number	_____	
Invoice Approval		
Company Name	_____ Kinder Morgan	
Final Invoice		

Additional Requests and Instructions

Please have sampling kits delivered to HMI by June 23, 2022 and provide return shipping labels with the cooler(s).

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 26, 2022

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

Subject: 3Q22 Groundwater Monitoring, September 20, 2022
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, September 20, 2022

Groundwater Sampling Forms and Field Instrument Calibration Record

Chain-of-Custody Form

El Paso 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 the pumps when HMI's monitoring obligations are 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 the shallow well & ACW-27 is the deep well; ACW-28 is the shallow well & ACW-29 is the deep well).
3. 3Q22 sitewide gauging and select groundwater sampling was conducted September 20, 2022 (ACW-13, 14, 15, Doom Well, Fmr Oxy Well, + EPNG added two wells - ACW-24 & ACW-25 for flash point (EPA SW846 1010B, per AECOM 9-7-22).
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:
 Dup-01 @ ACW-13 (all parameters)
 Dup-02 @ ACW-30D (all parameters)...(Note - Gray font from previous event...)
 Dup-03 @ ACW-20 (all parameters)
 Dup-04 @ ACW-29 (all parameters)
 FB-01 @ ACW-09 (Dissolved propane, methane, ethane, N-butane only)
 FB-02 @ ACW-06 (Dissolved propane, methane, ethane, N-butane only)
 Trip Blank-01 (BTEX)
6. Since 4Q20, groundwater samples submitted to:
 Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
 3355 McLemore Drive
 Pensacola, FL 32514
 FedEx account # - 2301-5223-3

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

Proper chain-of-custody was maintained.

7. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated in routine groundwater monitoring, in an agency-recommended, safe, cost-effective manner. Per El Paso Natural Gas Company (Kinder Morgan), a labeled 55-gallon steel drum with prototyped *ventilated barrel cover* (attached to drum by standard, bolt-ring closure), rests in an open-top poly overpack, on a wood pallet. The overpackdrum assembly is strapped to the steel rail “cage” near RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating “24/7”, since 2Q20. On September 20, 2022, previous IDW purgewater from 2Q22 (5 gal) was fully-evaporated to dryness. Seven gal were added from this event.



Jal #4 Gas Plant, Jal, New Mexico – Drum with Ventilated Barrel Cover



Jal #4 Gas Plant, Jal, New Mexico - Field-Deployed Drum in open overpack with Ventilated Barrel Cover – Successfully evaporates groundwater monitoring IDW purgewater “24-7”

Site notes:

Per 2Q22 directive, HMI to notify a contact below, in advance of planned daily activities at Jal #4 Gas Plant - plant is closed - onsite personnel are not guaranteed.

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

Since 1Q22, 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.

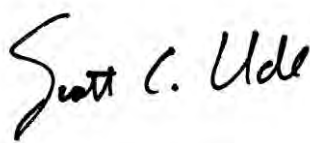
Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside their well shed, on Mr. Jerold Doom's ranch (nephew-Dylan Doom; follow driveway into ranch, then down to left; shed on right).

Lab - Eurofins-Pensacola, FL since 4Q20 (Cheyenne Whitmire, project mgr., since 1Q22).

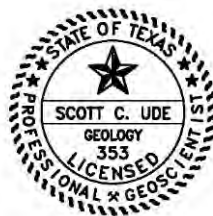
HMI appreciates the opportunity to assist El Paso Natural Gas Company and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on September 26, 2022.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., 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
September 20, 2022

Well I.D.	3Q22 # Wells Sampled	3Q22 # Wells Gauged	4Q # Wells Sampled	4Q # 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	105.20	0.00	0.00	3,196.95	30.25	135.45	1.9	110-130	130.5	4" PVC	8.34	20.3	14,170	0.4	-232.2	0.4	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.52	0.00	0.00	3,196.64	19.97	125.49	2.0	98-118	120.5	4" PVC	10.03	20.7	10,290	0.5	-256.1	2.6	Clear	
ACW-03		3		1	No	3,301.62	NP	105.13	0.00	0.00	3,196.49	29.99	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	107.04	0.00	0.00	3,195.01	64.06	171.10	1.7	154-169	169.1	4" PVC	7.77	20.9	8,970	1.1	-148.0	5.1	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.10	0.00	0.00	3,194.08	14.27	117.37	1.5	105-115	114.4	4" PVC	6.44	18.5	8,330	1.8	-82.6	7.2	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.23	0.00	0.00	3,195.61	15.40	122.63	1.7	110-120	119.6	4" PVC	8.24	17.8	6,110	1.9	-156.7	4.6	Clear	FB-02
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	7.26	18.6	8,800	1.9	116.4	3.8	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	110.19	0.00	0.00	3,194.50	52.29	162.48	2.4	140-160	159.5	4" PVC	6.30	20.9	27,010	1.3	-18.7	4.4	Clear	FB-01
ACW-10		10	8		Yes	3,299.82	NP	106.37	0.00	0.00	3,193.45	56.67	163.04	2.5	140-160	160.0	4" PVC	6.69	21.6	13,500	1.5	122.0	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.61	0.00	0.00	3,196.03	56.07	161.68	2.1	140-161	159.7	4" PVC	6.30	22.9	42,100	2.6	-33.8	6.2	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.33	0.00	0.00	3,192.47	62.60	171.93	2.5	150-170	168.9	4" PVC	6.54	21.6	9,540	1.5	-36.9	3.2	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.31	0.00	0.00	3,192.41	76.31	175.62	2.0	153-173	172.6	4" PVC	6.84	21.8	5,470	1.9	76.2	2.4	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.26	0.00	0.00	3,194.48	75.96	176.22	2.0	157-177	173.2	4" PVC	7.36	21.3	1,529	4.6	136.9	4.4	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	6.90	21.9	1,348	3.2	85.9	4.1	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.23	0.00	0.00	3,198.66	67.71	176.94	2.4	156-176	174.9	4" PVC	7.27	20.1	15,070	1.0	-152.3	0.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.29	0.00	0.00	3,197.88	63.49	171.78	2.6	151-171	169.8	4" PVC	6.89	23.2	15,200	1.9	-107.5	5.2	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.29	0.00	0.00	3,195.86	69.91	177.20	2.5	160-180	175.2	4" PVC	6.88	20.8	56,900	0.4	-57.0	0.4	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.22	0.00	0.00	3,196.46	14.94	121.16	2.2	98-118	119.2	4" PVC	7.14	21.8	7,200	1.8	-115.4	5.5	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	6.38	21.7	129,200	3.1	-130.2	5.9	Clear	Dup-03
ACW-21		18	19		Yes	3,301.82	NP	105.70	0.00	0.00	3,196.12	14.82	120.52	2.1	98-118	118.5	4" PVC	6.78	21.3	1,895	2.3	-113.6	4.2	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.84	0.00	0.00	3,194.40	13.20	125.04	2.5	102-122	123.0	4" PVC	6.91	20.7	2,263	1.5	-13.9	4.9	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.90	0.00	0.00	3,194.39	57.81	169.71	2.3	147-167	167.7	4" PVC	6.77	21.9	3,190	2.4	-33.3	3.1	Clear	
ACW-24	4	21	22		Yes	3,305.56	NP	110.76	0.00	0.00	3,194.80	78.36	189.12	2.2	166-186	187.1	4" PVC	6.28	21.7	90,200	1.4	-19.4	7.1	Clear	Analyzed for flash point, 3Q22
ACW-25	5	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	6.64	21.4	27,500	1.2	-52.1	3.9	Clear	Analyzed for flash point, 3Q22
ACW-26		23	24		Yes	3,309.27	NP	110.29	0.00	0.00	3,198.98	20.31	130.60	1.6	103-128	125.6	4"PVC	7.10	20.1	1,227	2.4	84.1	7.6	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.22	0.00	0.00	3,199.00	66.98	177.20	1.8	160-180	167.2	4"PVC	6.68	19.5	2,290	2.3	18.2	4.4	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.89	0.00	0.00	3,197.60	19.41	128.30	1.8	102-127	123.3	4"PVC	6.65	21.0	467	1.8	36.8	5.4	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	6.71	20.9	599	1.9	82.9	3.9	Clear	Dup-04
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	7.81	18.1	967	2.5	-3.2	6.3	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.73	0.00	0.00	3,195.42	82.70	187.43	2.3	165-185	177.4	3" PVC	6.57	18.6	35,200	2.1	-63.9	6.3	Clear	Dup-02
ACW-32S		28	30		Yes	3,299.60	NP	106.91	0.00	0.00	3,192.69	15.42	122.33	2.5	95-120	117.3	3" PVC	6.80	19.6	4,910	3.0	161.1	4.0	Clear	
ACW-32D		29	31		Yes	3,299.61	NP	106.88	0.00	0.00	3,192.73	65.76	172.64	2.5	150-170	162.6	3" PVC	7.09	20.6	3,090	1.6	187.4	2.6	Clear	
Doom Well	6		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	21.9	489	1.4	-99.1	4.9	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.51	0.00	0.00	3,199.20	47.84	155.35	1.6	123-148	150.4	4" PVC	7.16	20.8	13,970	1.3	-151.9	0.4	Clear	
ENSR-03		31		3	No	3,305.05	NP	106.98	0.00	0.00	3,198.07	48.12	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	109.11	0.00	0.00	3,200.92	54.82	163.93	AG	120-160	160.9	6" Steel	7.70	20.4	980	2.7	-175.1	2.3	Clear	
Fmr OXY Well	7		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03	26.5	1,111	1.5	-142.2	4.4	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.61	0.00	0.00	3,198.06	NM	136.09	2.3	110-130	131.1	2" PVC	6.96	21.7	2,800	1.9	-52.8	1.6	Clear	
RW-01		34		4	No	3,302.16	NP	105.48	0.00	0.00	3,196.68	76.15	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.23	0.00	0.00	3,194.48	64.42	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.19	0.00	0.00	3,196.46	71.50	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	108.44	0.00	0.00	3,194.82	67.72	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted September 20, 2022; **EPNG added ACW-24 and ACW-25 to be analyzed for flash point analysis in 3Q22 (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: TAB

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
9/10/22	1030	NP	99.31	0-00	0-00	175.62	172.6	153-173				Weather: pt/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
9/10/22	1035	99.45	0.5	7.12	22.7	7769	4.1	80.6	6.3	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1037	99.50	1.0	6.94	22.4	6220	2.6	82.4	6.2		
	1040	99.53	1.5	6.89	22.3	6110	2.4	81.3	4.4		
	1043	99.56	2.0	6.86	22.3	5510	2.3	80.1	3.7		
	1045	99.58	2.5	6.86	22.0	5500	2.2	79.3	3.1		
	1047	99.59	3.0	6.85	21.9	5490	2.0	78.7	2.8		
	1050	99.60	3.5	6.84	21.8	5480	1.9	77.9	2.6		
	1053	99.60	4.0	6.84	21.8	5470	1.9	76.2	2.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/10/22	1055	ACW-13	99.60	6.84	21.8	5470	1.9	76.2	2.4	Per COC	Per Lab	Pensacola Lab: Eurofins TA, Houston, TX
	1000	Dup-01	99.60	6.84	21.8	5470	1.9	76.2	2.4	"	"	

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: 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
9/20/22	850	NF	100.26	0.00	0.00	176.22	173.2	157-177				Weather: P/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
9/20/22	855	100.46	0.5	7.16	22.0	1817	5.1	144.7	8.0	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	857	100.48	1.0	7.19	21.5	1809	4.8	142.9	6.9		
	900	100.50	1.5	7.23	21.4	1773	4.6	141.6	5.8		
	903	100.51	2.0	7.31	21.5	1535	4.7	140.2	5.4		
	905	100.51	2.5	7.33	21.5	1533	4.8	139.8	5.0		
	907	100.51	3.0	7.34	21.3	1532	4.7	138.7	4.8		
	910	100.51	3.5	7.35	21.3	1531	4.6	137.6	4.7		
✓	913	100.51	4.0	7.36	21.3	1529	4.6	136.9	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
9/20/22	915	ACW-14	100.51	7.36	21.3	1529	4.6	136.9	4.4	Per COC	Per Lab	Pensacola 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: 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
9/16/22	1120	NP	102.22	0.60	0.60	171.57	168.6	150-170				Weather: pt / cloudy 72°

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
9/16/22	1125	102.30	0.5	6.89	22.7	1774	4.2	92.8	11.0	Low-flow purge-sample with	Clear
	1127	102.32	1.0	6.85	22.4	1553	4.0	96.0	8.9	HMI's dedicated bladder pump	
	1130	102.34	1.5	6.95	22.1	1405	3.8	91.5	7.5		
	1133	102.34	2.0	6.93	21.9	1353	3.5	90.4	6.6		
	1135	102.34	2.5	6.92	21.9	1351	3.5	89.7	5.8		
	1137	102.34	3.0	6.91	21.9	1350	3.3	88.2	5.2		
	1140	102.34	3.5	6.91	21.9	1349	3.3	87.4	4.9		
✓	1143	102.34	4.0	6.90	21.9	1348	3.2	85.9	4.1		↓

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
9/16/22	1145	ACW-15	102.34	6.90	21.9	1348	3.2	85.9	4.1	Per COC	Per Lab	Pensacola 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: ACW-24

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
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 (FI-BGS)				Comments
9/10/22	800	NF	110.76	0.00	0.00	189.12	187.1	106-186				Weather: pt/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
9/10/22	805	110.88	0.5	6.16	22.0	90800	2.4	-39.6	18.0	Low-flow purge-sample with	clear
	807	110.88	1.0	6.18	21.9	90700	2.3	-36.4	12.4	HMI's dedicated bladder pump	
	810	110.88	1.5	6.21	21.8	90500	2.1	-28.9	9.6		
	813	110.88	2.0	6.23	21.7	90500	1.8	-24.4	8.7		
	815	110.88	2.5	6.25	21.7	90300	1.6	-22.8	8.0		
	817	110.88	3.0	6.26	21.7	90300	1.5	-21.9	7.6		
	820	110.88	3.5	6.27	21.7	90200	1.5	-20.7	7.5		
	823	110.88	4.0	6.28	21.7	90200	1.4	-19.4	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
9/10/22	825	ACW-24	110.88	6.28	21.7	90200	1.4	-19.4	7.1	Per COC	Per Lab	Pensacola Lab: Eurofins TA, Houston, TX (Flash point)

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: 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
9/20/22	945	NP	103.28	0.00	0.00	174.68	172.7	151-171				Weather: p/c 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
9/20/22	950	103.44	0.5	6.60	21.1	26.600	1.8	-72.3	8.8	Low-flow purge-sample with	C / real
	953	103.45	1.0	6.56	21.7	26.700	1.6	-62.8	6.2	HMI's dedicated bladder pump	
	955	103.48	1.5	6.59	21.4	26.900	1.5	-60.9	5.0		
	957	103.50	2.0	6.61	21.3	27.200	1.4	-57.3	4.5		
	1000	103.51	2.5	6.62	21.3	27.200	1.3	-55.9	4.2		
	1003	103.51	3.0	6.63	21.4	27.300	1.2	-53.5	4.0		
	1005	103.52	3.5	6.64	21.4	27.400	1.2	-52.8	3.8		
	1007	103.52	4.0	6.64	21.4	27.500	1.2	-52.1	3.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/20/22	1010	ACW-25	103.52	6.64	21.4	27.500	1.2	-52.1	3.9	Per COC	Per Lab	Pensacola Lab: Eurofins TA, Houston, TX (flash point)

Hydrologic Monitoring

Houston, Texas

Initials: *ADJ*
Well Condition: *Good*

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

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

Well: OXY Well

Hydrologic Monitoring
 Houston, Texas

Well Inspection Information

Initials: *aps*
 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
9/20/22	805	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Sunny, 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
9/20/22	810	NA	1.0	6.23	27.0	1267	3.1	-108.3	9.4	OXY bldg. water supply well;	Clear
	811	↓	2.0	6.80	27.0	1136	1.9	-138.2	6.9	sampled at outdoor spigot (to	
	812	↓	3.0	6.95	26.8	1118	1.7	-138.5	5.4	right of front door; pliers may be	
	813	↓	4.0	7.03	26.5	1111	1.5	-142.2	4.4	needed); purge 4 gal prior to	
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/20/22	815	OXY Well	NA	7.03	26.5	1111	1.5	-142.2	4.4	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX <i>Pensacola</i>

Instrument Calibration Log

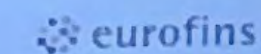
Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

[illegible]

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

Chain of Custody Record



Environment Testing
America

[illegible]

ARF FORM: SHEET 1

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev_7_04032017

KINDER MORGAN**Analytical Request Form (ARF)
Project Information**

Current Site Company/Pipeline Name: _____		EPNG	ARF #: ERG-ARC-09-06-22-ARS-03 xxx-xxx-mm-dd-yy-xxx-##
ENFOS AOC / Project Name (make sure to match ENFOS AOC): _____		Jal #4 Gas Plant RWIP	
FOR LAB USE ONLY			
Lab Work Directive (WD)/ENFOS WD/PO#		WD1040015	
Lab Cost Cluster: _____	CC06_Monitoring	Lab Subtask: _____	Lab - I (1.4, 2.3, 7.3, 8.4)(19)
Project Billing : ☒ Lab Enters Invoice Through Enfos	☐ Paper Invoice mailed to KM PM listed below	☐ Other/ Describe: _____	
Site Description or contaminants of concern		BTEX, Chloride, Sodium, TDS, Specific Conductance, Flash Point	
Site Address: _____		9 Miles North of Jal, NM on Hwy 18	
City: _____	Jal	State: NM	Country: USA
Regulatory Agency: _____		NMOCD	
Project Type (RCRA, CERCLA, TRRP): _____			
Anticipated Start Date: _____		Anticipated Completion Date: _____	
9/20/2022		9/20/2022	
Frequency of Sampling: _____		Sampling Plan Attached: _____	
Quarterly		No	
Are there Additional Requests/ Special Instructions on Page 2?		No	
Title(s)/Date(s) of attached sampling information: _____			

Project Management Contacts

KM Contact			
KM Office: _____	Houston	☒ Copy on ARF Distribution	
Address: _____	1001 Louisiana Street, Room 1445B Houston, TX 77002		
KM Project Manager: _____	Joe Wiley		
Phone : _____	713-420-3475	Fax: _____	E-mail: Joe.Wiley@KinderMorgan.com
Designated Consultant Contact			
Designated Consultant Firm Name: _____	AECOM		
Address: _____	19219 Katy Freeway, Suite 100 Houston, TX 77094		
Designated Consultant Project Manager: _____	Wally Gilmore		
Phone : _____	713-542-9523	Fax: _____	E-mail: wallace.gilmore@aecom.com
Laboratory Contact			
Laboratory Name: _____	Eurofins TestAmerica, Pensacola		
Address: _____	3355 McLemore Drive Pensacola, FL 32514		
Laboratory Project Manager: _____	Cheyenne R. Whitmire		
Phone : _____	850-471-6222	Fax: _____	E-mail: Cheyenne.Whitmire@Eurofinset.com
Additional Parties to Receive ARF:			
Name: _____	E-mail: _____		
Affiliation: _____			
Name: _____	E-mail: _____		
Affiliation: _____			
Name: _____	E-mail: _____		
Affiliation: _____			

Jal #4_2022 3rd Qtr ERG ARF

ARF FORM: SHEET 1

Data Deliverables

Data Package Deliverables supplied to:

Required Data Deliverables Format(s):

Required Format of Electronic Data Deliverables

PDF

Excel

Hardcopy

Equis

PDF and Hardcopy

Enfos

CD

Size Limitation for e-mail of deliverable

20

MB or Unlimited

Forward the Electronic Data Deliverables to:

Name

Wally Gilmore

E-Mail Address

wallace.gilmore@aecom.com

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:

Name:

Wally Gilmore

Date:

9/6/2022

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:

July 26, 1962

rev 7 04032017

Jal #4_2022 3rd Qtr ERG ARF

Released to Imaging: 5/17/2023 12:06:55 PM

Additional Requests and Instructions

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 RFranco2@ " " " 505-240-7204
 Jesse JMoore6@ 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, 2022

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

Subject: 4Q22 Groundwater Monitoring, November 30, 2022
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, November 30, 2022
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 the pumps when HMI's monitoring obligations are 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. 4Q22 scope consisted of sitewide gauging and sampling at 36 wells, per Kinder Morgan ARF. Generally, quarters 1 through 3 include 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:
 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); all BTEX vials travel in one cooler
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. The 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 El Paso Natural Gas Company, a labeled 55-gallon steel drum with

ventilated barrel cover (attached to drum with bolt-ring closure), is supported on wood slats, in an open-top poly overpack, strapped on a wood pallet (to steel rail “cage” near RW-2, on E-side of Hwy. IDW purgewater is successfully evaporating “24/7”, since 2Q20. Previous contents (5 gal from 3Q22 event) was evaporated to dryness. 38 gal purgewater was added in 4Q22 event.



Jal #4 Gas Plant, Jal, New Mexico – Drum with Ventilated Barrel Cover



Jal #4 Gas Plant, Jal, New Mexico - drum in open overpack with Ventilated Barrel Cover – evaporates groundwater sampling IDW purgewater “24-7”; HMI will replace existing (rusting drum) with a new drum in 1Q23, due to rust developing where drum body connects to drum bottom, caused by retained rainwater in base of the overpack; the new drum will be elevated off the base of overpack minimize future rusting

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 1Q22, 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].

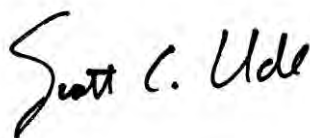
Monitor well lock keys are maintained with HMI's files.

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).

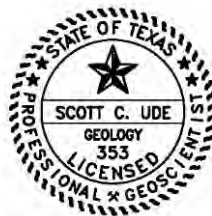
HMI appreciates the opportunity to assist El Paso Natural Gas Company and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on December 6, 2022.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., 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
December 1, 2022

Well I.D.	1-3Q22 # Wells Sampled	1-3Q22 # Wells Gauged	4Q22 # Wells Sampled	4Q22 # 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	105.22	0.00	0.00	3,196.93	30.23	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	105.11	0.00	0.00	3,196.51	30.01	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	107.01	0.00	0.00	3,195.04	64.09	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	103.11	0.00	0.00	3,194.07	14.26	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	107.11	0.00	0.00	3,195.73	15.52	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	102.29	0.00	0.00	3,195.34	15.10	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	103.25	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	110.21	0.00	0.00	3,194.48	52.27	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	106.37	0.00	0.00	3,193.45	56.67	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	105.62	0.00	0.00	3,196.02	56.06	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	109.33	0.00	0.00	3,192.47	62.60	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	99.28	0.00	0.00	3,192.44	76.34	175.62	2.0	153-173	172.6	4" PVC	6.79	19.5	5,270	2.1	78.2	3.1	Clear	
ACW-14	2		12		Yes	3,294.74	NP	100.24	0.00	0.00	3,194.50	75.98	176.22	2.0	157-177	173.2	4" PVC	7.20	18.3	1,533	4.7	138.8	4.6	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	6.88	20.0	1,341	3.6	95.6	3.3	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.32	0.00	0.00	3,198.57	67.62	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	108.33	0.00	0.00	3,197.84	63.45	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	107.28	0.00	0.00	3,195.87	69.92	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	106.27	0.00	0.00	3,196.41	14.89	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	108.46	0.00	0.00	3,195.04	65.57	174.03	2.2	154-174	172.0	4" PVC	5.99	18.8	136,500	1.6	188.7	4.6	Clear	Dup-03
ACW-21		18	19		Yes	3,301.82	NP	105.75	0.00	0.00	3,196.07	14.77	120.52	2.1	98-118	118.5	4" PVC	6.77	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	111.89	0.00	0.00	3,194.40	57.82	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	110.60	0.00	0.00	3,194.96	78.52	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	103.35	0.00	0.00	3,194.24	71.33	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	110.40	0.00	0.00	3,198.87	20.20	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	110.38	0.00	0.00	3,198.84	66.82	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	109.03	0.00	0.00	3,197.46	19.27	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	108.89	0.00	0.00	3,197.46	67.90	176.79	1.8	160-180	166.8	4"PVC	7.06	19.1	630	3.1	135.9	4.0	Clear	Dup-04
ACW-30S		27	28		Yes	3,300.17	NP	104.33	0.00	0.00	3,195.84	18.17	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	104.61	0.00	0.00	3,195.54	82.82	187.43	2.3	165-185	177.4	3" PVC	6.45	17.7	29,700	1.4	111.4	3.2	Clear	Dup-02
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	7.76	18.5	3,290	1.9	50.1	3.3	Clear	Dup-01
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	7.58	17.9	500	3.1	63.8	6.2	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.66	0.00	0.00	3,199.05	47.69	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	106.99	0.00	0.00	3,198.06	48.11	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	7.85	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	7.05	18.3	1,132	2.7	131.8	5.0	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.61	0.00	0.00	3,198.06	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	105.46	0.00	0.00	3,196.70	76.17	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.24	0.00	0.00	3,194.47	64.41	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.16	0.00	0.00	3,196.49	71.53	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	108.52	0.00	0.00	3,194.74	67.64	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted December 1, 2022; In 3Q22, EPNG added ACW-24 & ACW-25 for flash point in 3Q22 (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

Hidalgo Natural Gas Company
Well #4 Gas Plant
Lea County, New Mexico

Well: ACW-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	1000	NP	105.22	0.00	0.00	135.45	130.5	110-130				Weather clear 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
12/1/22	1005	105.27	0.5	7.68	19.2	19,800	1.2	-157.8	2.1	Low-flow purge-sample with	clear
	1007	105.27	1.0	7.92	19.3	19,600	1.0	-183.2	1.9	HMI's dedicated bladder pump	
	1010	105.27	1.5	8.26	19.2	19,470	0.8	-203.9	1.6		
	1013	105.27	2.0	8.30	19.2	19,450	0.8	-209.5	1.5		
	1017	105.27	2.5	8.33	19.4	19,440	0.7	-213.4	1.3		
	1017	105.27	3.0	8.34	19.4	19,430	0.7	-214.4	1.2		
	1020	105.27	3.5	8.35	19.3	19,420	0.6	-216.8	1.0		
	1023	105.27	4.0	8.35	19.3	19,410	0.5	-218.7	0.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/22	1025	ACW-01	105.27	8.35	19.3	19,410	0.5	-218.7	0.9	Per COC	Per Lab	Lab: Eurofins TX, Renss

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: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	1230	NP	105.51	0.00	0.00	125.49	120.5	98-118				Weather: Clear

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	1235	105.71	0.5	6.89	19.6	10,410	1.3	-164.8	3.8		
	1237	105.76	1.0	6.77	19.6	10,380	1.0	-168.7	3.2	Low-flow purge-sample with	Clear
	1240	105.81	1.5	6.71	19.6	10,140	0.8	-170.4	3.0	HMI's dedicated bladder pump	
	1243	105.83	2.0	6.70	19.7	10,390	0.6	-172.8	2.8		
	1245	105.85	2.5	6.88	19.8	10,380	0.4	-174.9	2.5		
	1247	105.87	3.0	6.87	19.8	10,770	0.3	-174.1	2.1		
	1250	105.89	3.5	6.86	19.8	10,360	0.7	-175.3	2.0		
	1253	105.91	4.0	6.85	19.8	10,350	0.2	-176.9	2.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/22	1255	ACW-02A	105.91	6.85	19.8	10,350	0.2	-176.9	2.0	Per COC	Per Lab	Lab: Eurofins TX Per SA

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: DD
Well Condition: Good

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-22	1232	NP	105.11	0.00	0.00	135.12	NA	112-132				Weather: Sunny 40°S

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: BA
 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
12-7-22	1150	NP	107.01	0.00	0.00	171.10	109.1	154-169				Weather: Sunny, 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
12-7-22	1155	107.23	0.5	7.10	20.1	124,200	2.6	-70.3	9.4	Low-flow purge-sample with	clear
	1158	107.28	1.0	7.02	19.9	124,800	1.9	-77.6	8.9	HMI's dedicated bladder pump	
	1200	107.30	1.5	6.98	19.8	125,000	1.7	-84.2	8.0		
	1203	107.32	2.0	6.97	19.8	126,400	1.5	-93.6	6.5		
	1205	107.35	2.5	6.97	19.8	127,200	1.4	-96.4	5.2		
	1208	107.36	3.0	6.96	19.8	127,700	1.3	-99.7	4.6		
	1210	107.37	3.5	6.96	19.9	127,800	1.2	-101.1	4.1		
	1213	107.37	4.0	6.95	19.9	128,100	1.2	-102.5	3.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-7-22	1215	ACW-04	107.37	6.95	19.9	128,100	1.2	-102.5	3.7	Per COC	Per Lab	Lab: Eurofins JX Pensa

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

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-22	1000	NP	103.11	0.00	6.00	117.37	114.4	105-115				Weather: Sunny 40's

Initials: HAN
Well Condition: Good

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	1005	103.40	0.5	6.43	19.6	10110	3.0	-64.8	13.0	Low-flow purge-sample with	Clear
	1007	103.55	1.0	6.39	19.4	9150	2.6	-70.0	10.1	HMI's dedicated bladder pump	
	1010	103.63	1.5	6.37	19.3	8760	2.3	-74.3	9.7		
	1012	103.64	2.0	6.34	19.3	8510	2.0	-76.7	9.4		
	1015	103.72	2.5	6.32	19.0	8420	1.8	-74.9	8.8		
	1017	103.75	3.0	6.30	18.9	8380	1.8	-81.1	7.6		
	1020	103.77	3.5	6.29	18.8	8370	1.8	-82.4	7.3		
	1022	103.78	4.0	6.28	18.7	8350	1.9	-83.5	7.0		

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
12-1-22	1025	ACW-05	103.78	6.28	18.7	8350	1.9	-83.5	7.0	Per COC	Per Lab	Lab: Eurofins J.A. Pensa

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

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	905	NP	107.11	0.00	0.00	122.63	119.6	110-120				Weather: Sunny, 30's

Initials: *ADS*
Well Condition: *Good; needs new lock*

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	910	107.60	0.5	8.12	19.2	11,690	3.8	-121.1	7.2		
	913	107.74	1.0	8.90	18.6	5920	2.3	-168.6	5.8	Low-flow purge-sample with	CLEAR
	915	107.83	1.5	9.00	19.0	5230	1.9	-172.7	5.2	HMI's dedicated bladder pump	
	917	107.90	2.0	9.01	19.3	4840	1.6	-173.3	5.4		
	920	107.94	2.5	8.97	19.6	4730	1.5	-173.2	4.7		
	923	107.96	3.0	8.94	19.5	4650	1.5	-172.1	4.2		
	925	107.98	3.5	8.89	19.5	4590	1.4	-171.2	4.3		
	927	108.00	4.0	8.86	19.5	4510	1.4	-170.6	4.1		

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
12/1/22	930	ACW-06	108.00	8.86	19.5	4510	1.4	-170.6	4.1	Per COC	Per Lab	Lab: Eurofins <i>LA Pensa</i>

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: HAN
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
12-1-22	850	NP	102.29	0.00	0.00	117.39	114.4	105-115				Weather: Sunny 40'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
12-1-22	855	102.37	0.5	7.33	17.1	8910	3.0	-83.4	9.9	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	857	102.40	1.0	7.29	17.4	8890	2.7	-88.2	8.1		
	900	102.42	1.5	7.24	17.6	8840	2.6	-97.6	7.6		
	902	102.43	2.0	7.17	18.1	8830	2.3	-104.8	6.5		
	905	102.43	2.5	7.14	18.3	8820	2.2	-107.1	5.6		
	907	102.43	3.0	7.13	18.6	8810	2.1	-113.4	4.9		
	910	102.43	3.5	7.13	18.8	8810	2.0	-115.1	4.8		
	912	102.43	4.0	7.12	18.9	8810	1.8	-117.4	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
12-1-22	915	ACW-07	102.43	7.12	18.9	8810	1.8	-117.4	4.6	Per COC	Per Lab	Lab: Eurofins TX, Pensa

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

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-22	850	NP	110.21	0.00	0.00	162.48	159.5	140-160				Weather: Sunny 40S
Initials: OSD Well Condition: Good												

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	855	110.63	0.5	6.21	17.5	25,200	3.3	-75.3	10.1	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	858	110.66	1.0	6.22	17.3	25,800	3.0	-87.1	9.8		
	900	110.67	1.5	6.24	17.2	26,200	2.8	-90.6	9.1		
	903	110.68	2.0	6.25	17.1	26,400	2.6	-97.3	8.8		
	905	110.68	2.5	6.27	17.0	26,500	2.5	-105.1	8.3		
	908	110.68	3.0	6.28	17.1	26,500	2.5	-110.6	8.1		
	910	110.68	3.5	6.29	17.1	26,600	2.4	-113.4	7.7		
	913	110.68	4.0	6.30	17.2	26,700	2.4	-120.8	7.3		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-22	915	ACW-09	110.68	6.30	17.2	26,700	2.4	-120.8	7.3	Per COC	Per Lab	Lab: Eurofins TA Pensa

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: 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
12-1-22	1030	NP	106.37	0-00	0-00	163.04	160.0	140-160				Weather: Sunny 90S

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	1035	106.52	0.5	6.31	17.4	14,700	3.0	-2.3	7.3	Low-flow purge-sample with	Clear
	1038	106.55	1.0	6.37	17.5	15,300	2.7	-4.6	5.3	HMI's dedicated bladder pump	
	1040	106.57	1.5	6.42	17.3	15,800	2.5	-7.6	5.1		
	1043	106.59	2.0	6.48	17.2	16,000	2.3	-9.1	4.5		
	1045	106.60	2.5	6.52	17.1	16,100	2.2	-14.5	3.6		
	1048	106.60	3.0	6.55	17.0	16,200	2.1	-17.3	3.0		
	1050	106.61	3.5	6.58	17.1	16,200	2.1	-21.4	2.7		
	1053	106.61	4.0	6.63	17.2	16,300	2.0	-26.7	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
12-1-22	1055	ACW-10	106.61	6.63	17.2	16,300	2.0	-26.7	2.2	Per COC	Per Lab	Lab: Eurofins TX, Persa...

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: *GS*
Well Condition: *Good*

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12.1.22	920	NP	105.62	0.00	0.00	161.68	159.7	140-161				
												Weather: <i>Sunny 43°F</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
12.1.22	925	105.83	0.5	6.21	17.8	45,600	3.6	3.3	9.6		
	927	105.90	1.0	6.16	17.9	46,700	2.7	11.9	9.1	Low-flow purge-sample with	<i>clear</i>
	930	105.98	1.5	6.10	18.0	47,200	2.2	18.1	7.9	HMI's dedicated bladder pump	
	932	106.04	2.0	6.11	17.9	48,700	1.8	26.5	7.5		
	935	106.11	2.5	6.13	18.0	49,100	1.4	31.4	7.0		
	937	106.13	3.0	6.14	18.1	48,900	1.4	34.6	6.8		
	940	106.14	3.5	6.15	18.0	48,700	1.3	35.7	6.3		
	942	106.15	4.0	6.16	17.9	48,600	1.2	39.3	5.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12.1.22	945	ACW-11	106.15	6.16	17.9	48,600	1.2	39.3	5.9	Per COC	Per Lab	Lab: Eurofins <i>J.A. Pensa</i>

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: BA
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
12-1-22	820	NP	109.33	0.00	0.00	171.93	168.9	150-170				Weather: Sunny, 40'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
12-1-22	825	109.55	0.5	6.41	18.7	6870	2.4	-4.5	5.9	Low-flow purge-sample with	clear
	828	109.58	1.0	6.44	18.8	6950	1.8	-11.6	5.0	HMI's dedicated bladder pump	
	830	110.63	1.5	6.49	18.8	6970	1.4	-19.1	4.4		
	833	110.69	2.0	6.52	18.9	6990	1.4	-25.4	3.9		
	835	110.71	2.5	6.55	18.9	6990	1.6	-30.1	3.4		
	838	110.73	3.0	6.57	18.9	7000	1.7	-39.2	3.4		
	840	110.75	3.5	6.58	18.9	7010	1.7	-37.5	3.1		
	843	110.76	4.0	6.59	18.9	7020	1.7	-40.1	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
12-1-22	845	ACW-12	110.76	6.59	18.9	7020	1.7	-40.1	2.9	Per COC	Per Lab	Lab: Eurofins J.A. Pensa

Monitoring Well Purging and Sampling Record

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

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-22	1120	NP	99.28	0.00	0.00	175.62	172.6	153-173				Weather: Sunny 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
12-1-22	1125	99.43	0.5	6.96	18.7	5630	3.4	34.5	5.8	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1128	99.50	1.0	6.90	18.9	5400	3.0	40.8	5.1		
	1130	99.53	1.5	6.87	19.0	5350	2.7	47.7	4.9		
	1133	99.57	2.0	6.83	19.2	5320	2.5	53.5	4.3		
	1135	99.61	2.5	6.82	19.3	5300	2.3	60.7	4.1		
	1138	99.65	3.0	6.81	19.4	5290	2.2	67.6	3.9		
	1140	99.67	3.5	6.80	19.4	5270	2.1	73.7	3.7		
	1143	99.70	4.0	6.79	19.5	5270	2.1	78.2	3.1		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-22	1145	ACW-13	99.70	6.79	19.5	5270	2.1	78.2	3.1	Per COC	Per Lab	Lab: Eurofins J.A. Pensa

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: HAN

Well Condition: Good

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

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: AB
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
12/1/22	1205	NP	102.19	0.00	0.00	171.57	168.6	150-170				Weather: Sunny 30'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
12/1/22	1210	102.26	0.5	6.80	19.8	1474	4.8	109.7	7.6	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	1213	102.29	1.0	6.83	19.9	1403	4.4	102.7	4.9		11
	1215	102.30	1.5	6.85	19.9	1371	4.1	100.4	4.0		11
	1218	102.30	2.0	6.86	19.9	1352	3.9	98.6	3.7		n
	1220	102.30	2.5	6.87	19.9	1346	3.8	97.3	3.5		n
	1223	102.30	3.0	6.87	20.0	1344	3.7	96.8	3.4		11
	1225	102.30	3.5	6.88	20.0	1342	3.7	96.1	3.4		11
	1228	102.30	4.0	6.88	20.0	1341	3.6	95.6	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
12/1/22	1230	ACW-15	102.30	6.88	20.0	1341	3.6	95.6	3.3	Per COC	Per Lab	Lab: Eurofins TX, Pensacola

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: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	900	NF	109.32	0.00	0.00	176.94	174.9	156-176				Weather Clear 10°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	905	109.42	0.5	6.98	19.3	24,000	1.4	-56.1	6.9	Low-flow purge-sample with	Clear
	907	109.52	1.0	7.00	19.2	23,100	1.2	-59.8	4.4	HMI's dedicated bladder pump	
	910	109.60	1.5	7.04	19.3	23,700	1.0	-79.5	3.7		
	913	109.64	2.0	7.05	19.4	23,400	0.9	-83.4	2.9		
	915	109.66	2.5	7.07	19.5	23,500	0.8	-85.7	2.1		
	917	109.67	3.0	7.08	19.5	23,500	0.8	-87.2	1.8		
	920	109.68	3.5	7.10	19.6	23,400	0.8	-89.8	1.6		
	923	109.69	4.0	7.11	19.6	23,400	0.7	-90.4	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
12/1/22	925	ACW-16	109.69	7.11	19.6	23,400	0.7	-90.4	1.6	Per COC	Per Lab	Lab: Eurofins J.A. Ponsa

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: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	1050	N/A	107.28	0.00	0.00	177.20	175.2	160-180				Weather: clear

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	1055	107.49	0.5	6.52	18.7	98,800	1.0	-111.2	1.2	Low-flow purge-sample with	clear
	1057	107.53	1.0	6.38	18.0	103,300	0.8	-100.2	1.0	HMI's dedicated bladder pump	
	1100	107.57	1.5	6.41	18.9	105,200	0.6	-98.7	0.8		
	1103	107.61	2.0	6.43	19.0	106,100	0.4	-88.2	0.7		
	1105	107.62	2.5	6.44	18.9	107,700	0.3	-86.9	0.6		
	1107	107.63	3.0	6.45	18.9	107,600	0.3	-80.1	0.5		
	1110	107.64	3.5	6.46	18.9	107,500	0.4	-78.9	0.4		
	1113	107.65	4.0	6.47	18.9	107,400	0.4	-78.1	0.3		

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
12/1/22	1115	ACW-18	107.65	6.47	18.9	107,400	0.4	-78.1	0.3	Per COC	Per Lab	Lab: Eurofins TX, Pensa

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: *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
12.1.22	1050	NP	106.27	0.00	0.00	121.16	119.2	98-118				Weather: <i>Sunny, 9/6°F</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
12.1.22	1055	106.32	0.5	6.52	18.0	39,200	2.9	-131.5	11.2	Low-flow purge-sample with HMI's dedicated bladder pump	<i>Clear</i>
	1057	106.35	1.0	6.58	18.1	18,500	2.2	-133.8	9.3		
	1100	106.37	1.5	6.61	18.2	12,100	1.6	-136.7	8.1		
	1102	106.37	2.0	6.60	18.1	9,120	1.5	-132.4	6.9		
	1105	106.37	2.5	6.58	17.9	8,820	1.4	-130.5	5.6		
	1107	106.38	3.0	6.61	18.0	8,550	1.5	-133.1	4.5		
	1110	106.38	3.5	6.63	18.0	8,100	1.7	-132.8	4.2		
	1112	106.38	4.0	6.65	17.9	7,990	1.8	-134.7	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
12.1.22	1115	ACW-19	106.38	6.65	17.9	7,990	1.8	-134.7	3.9	Per COC	Per Lab	Lab: Eurofins <i>JA, Pensa</i>

Monitoring Well Purging and Sampling Record

+ DUP-03
(all analytes)

El Paso Natural Gas Company

Jal #4 Gas Plant

Lea County, New Mexico

Well: ACW-20

Hydrologic Monitoring

Houston, Texas

Well Inspection Information

Initials: *GS*
Well Condition: *OKAY*

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-22	1000	NP	108.46	0.00	0.00	174.03	172.0	154-174				Weather: <i>Sunny, 45°F</i>

Well Purging Record

* Well & Well pad are fine
but some dirt is missing
from beneath

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	1005	108.61	0.5	5.88	18.3	135,000	1.5	-184.1	10.2		
	1007	108.65	1.0	5.87	18.3	135,300	1.5	-186.5	8.8	Low-flow purge-sample with	<i>clear</i>
	1010	108.65	1.5	5.86	18.4	135,700	1.6	-188.4	8.2	HMI's dedicated bladder pump	
	1012	108.66	2.0	5.87	18.4	135,900	1.6	-190.1	7.3		
	1015	108.66	2.5	5.89	18.5	136,000	1.5	-192.8	6.1		
	1017	108.66	3.0	5.92	18.6	136,200	1.5	-191.3	5.2		
	1020	108.66	3.5	5.96	18.7	136,400	1.5	-189.4	4.9		
	1022	108.66	4.0	5.99	18.8	136,500	1.6	-188.7	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
12-1-22	1025	ACW-20	108.66	5.99	18.8	136,500	1.6	-188.7	4.6	Per COC	Per Lab	Lab: Eurofins <i>J.A. Pansa</i>
	1206	DUP-03	108.66	5.99	18.8	136,500	1.6	-188.7	4.6			

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: *GB*
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
12-1-22	840	NP	105.75	0.00	0.00	120.52	118.5	98-118				Weather: Sunny, 38°F

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	845	105.87	0.5	6.65	17.6	1770	3.4	-121.3	9.1	Low-flow purge-sample with	clear
	847	105.96	1.0	6.70	17.8	1774	2.7	-129.4	7.6	HMI's dedicated bladder pump	
	850	105.96	1.5	6.71	17.9	1773	2.3	-132.5	4.5		
	852	105.97	2.0	6.72	18.1	1772	2.2	-135.7	4.2		
	855	105.98	2.5	6.75	18.1	1773	2.3	-136.1	4.0		
	857	105.99	3.0	6.76	18.2	1774	2.2	-137.4	3.9		
	800	106.01	3.5	6.76	18.3	1773	2.2	-139.3	3.7		
	902	106.02	4.0	6.77	18.4	1772	2.1	-140.7	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
12-1-22	905	ACW-21	106.02	6.77	18.4	1772	2.1	-140.7	3.5	Per COC	Per Lab	Lab: Eurofins TX, Pansa

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company

Jal #4 Gas Plant

Lea County, New Mexico

Well: ACW-22

Hydrologic Monitoring

Houston, Texas

Well Inspection Information

Initials *OJD*

Well Condition: Good

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

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: BA
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
12-1-22	1100	NF	111.89	0.00	0.00	169.71	167.7	147-167				Weather: Sunny, 40's

Well Purging Record

*continued

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	1105	111.97	0.5	6.69	19.1	3070	3.3	-30.0	6.3	Low-flow purge-sample with	clear
	1108	111.97	1.0	6.71	19.3	3080	2.7	-36.9	5.7	HMI's dedicated bladder pump	
	1110	111.97	1.5	6.73	19.3	3080	2.2	-39.4	5.1		
	1113	111.97	2.0	6.74	19.1	3090	1.7	-44.5	4.6		
	1115	111.97	2.5	6.74	19.0	3090	1.4	-45.2	4.2		
	1118	111.97	3.0	6.76	19.0	3100	1.4	-46.4	3.8		
	1120	111.97	3.5	6.77	19.0	3100	1.4	-46.7	3.5		
	1123	111.97	4.0	6.78	19.0	3100	1.5	-46.9	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
12-1-22	1125	ACW-23	111.97	6.78	19.0	3100	1.5	-46.9	3.2	Per COC	Per Lab	Lab: Eurofins J.A. Pansa

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: GOS
 Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	820	NP	110.60	0.00	0.00	189.12	187.1	166-186				
												Weather: Sunny, 30'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
12/1/22	825	110.75	0.5	6.38	16.4	84,600	4.8	-7.0	15.4		
	827	110.78	1.0	6.07	17.0	85,700	2.8	33.1	9.0	Low-flow purge-sample with	CLEAR
	830	110.80	1.5	6.05	17.3	86,000	2.3	59.2	5.7	HMI's dedicated bladder pump	
	833	110.81	2.0	6.10	17.5	86,400	1.9	86.1	5.2		
	835	110.81	2.5	6.13	17.6	86,400	1.7	100.5	6.0		
	837	110.82	3.0	6.15	17.6	86,300	1.7	114.2	5.1		
	840	110.82	3.5	6.17	17.5	86,300	1.6	120.4	4.6		
	843	110.82	4.0	6.17	17.6	86,200	1.6	124.6	4.2		

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
2/1/22	845	ACW-24	110.82	6.17	17.6	86,200	1.6	124.6	4.2	Per COC	Per Lab	Lab: Eurofins JA. Pensa

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: HAN
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
12-1-22	9:25	NR	103.35	0.00	0.00	174.68	172.7	151-171				Weather: Sunny 40's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Gum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	9:30	103.51	0.5	6.47	17.7	26,700	1.9	-76.4	4.4	Low-flow purge-sample with HMI's dedicated bladder pump	Clear
	9:32	103.52	1.0	6.50	16.9	26,900	1.7	-60.7	6.6		
	9:35	103.54	1.5	6.53	16.8	27,100	1.6	-59.4	5.4		
	9:37	103.56	2.0	6.56	16.8	27,300	1.5	-57.1	4.7		
	9:40	103.57	2.5	6.57	16.7	27,400	1.5	-56.8	4.2		
	9:42	103.57	3.0	6.58	16.7	27,500	1.4	-53.3	3.9		
	9:45	103.58	3.5	6.59	16.7	27,500	1.3	-52.3	3.7		
	9:47	103.58	4.0	6.59	16.6	27,600	1.3	-51.1	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
12-1-22	9:50	ACW-25	103.58	6.59	16.6	27,600	1.3	-51.1	3.6	Per COC	Per Lab	Lab: Eurofins TA, Pensa

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: *B/B*
 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
12/1/22	900	NP	110.40	0.00	0.00	130.60	125.6	103-128				Weather: Sunny 30'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
12/1/22	905	110.40	0.5	7.29	18.7	2045	4.3	41.6	10.6	Low-flow purge-sample with	Clear
	908	110.40	1.0	7.24	18.9	2003	3.6	63.8	7.3	HMI's dedicated bladder pump	11
	910	110.40	1.5	7.21	18.9	1942	3.3	67.2	6.4		11
	913	110.40	2.0	7.18	18.9	1902	3.0	70.4	6.3		11
	915	110.40	2.5	7.16	19.0	1881	2.8	73.2	5.7		11
	918	110.40	3.0	7.15	19.1	1875	2.7	76.9	5.2		11
	920	110.40	3.5	7.15	19.2	1872	2.6	77.8	5.0		11
	923	110.40	4.0	7.14	19.2	1868	2.6	78.2	4.9		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
12/1/22	925	ACW-26	110.40	7.14	19.2	1868	2.6	78.2	4.9	Per COC	Per Lab	Lab: Eurofins ~~IA~~ Densa

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
12/1/22	820	NP	110.38	0.00	0.00	177.20	167.2	160-180				Weather: Sunny 30s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	825	110.45	0.5	6.85	18.2	3550	4.6	-49.6	8.3	Low-flow purge-sample with	Clear
	828	110.46	1.0	6.89	18.5	3,320	4.4	-58.4	6.2	HMI's dedicated bladder pump	"
	830	110.46	1.5	6.92	18.8	3,190	4.2	-62.9	5.5		"
	833	110.46	2.0	6.93	18.9	3,110	4.0	-66.3	4.9		"
	835	110.46	2.5	6.94	19.0	3,080	3.8	-68.7	4.5		"
	838	110.46	3.0	6.95	19.1	3,030	3.7	-71.8	4.2		"
	840	110.46	3.5	6.95	19.1	2990	3.7	-72.4	4.0		"
	843	110.46	4.0	6.95	19.1	2980	3.6	-73.2	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
12/1/22	845	ACW-27	110.46	6.95	19.1	2980	3.6	-73.2	3.9	Per COC	Per Lab	Lab: Eurofins J.A. Pensa

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

Well Condition:

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

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

Well: ACW-29

+ Dup-04
(all analytes)

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: *BD*
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
12/1/22	950	NP	108.89	0.00	0.00	176.79	166.8	160-180				Weather: Sunny 30°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/22	955	108.96	0.5	6.94	18.0	626	4.4	118.4	6.2	Low-flow purge-sample with	Clear
	958	108.99	1.0	6.97	18.3	630	4.0	127.3	5.6	HMI's dedicated bladder pump	?
	1000	109.03	1.5	6.99	18.6	633	3.7	130.6	5.4		1
	1003	109.04	2.0	7.02	18.8	632	3.4	132.8	4.8		1
	1005	109.04	2.5	7.04	18.9	631	3.3	133.7	4.3		1
	1008	109.04	3.0	7.05	19.0	631	3.2	134.4	4.1		1
	1010	109.04	3.5	7.05	19.0	630	3.1	135.2	4.1		1
	1013	109.04	4.0	7.06	19.1	630	3.1	135.9	4.0		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
12/1/22	1015	ACW-29	109.04	7.06	19.1	630	3.1	135.9	4.0	Per COC	Per Lab	Lab: Eurofins J. Pensa
	1000	DUP-04	109.04	7.06	19.1	630	3.1	135.9	4.0			

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

Well Inspection Information

Initials: *GPS*
Well Condition: *Good*

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	1055	NP	104.33	0.00	0.00	122.50	117.5	95-120				Weather: <i>SUNNY, 40'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
12/1/22	1100	104.34	0.5	7.71	18.3	2390	5.0	-58.1	11.1		
	1103	104.34	1.0	7.59	18.3	1094	4.6	-34.6	9.2	Low-flow purge-sample with	<i>Clear</i>
	1105	104.34	1.5	7.54	18.3	791	4.4	-13.7	8.0	HMI's dedicated bladder pump	
	1107	104.34	2.0	7.48	18.6	702	4.4	3.4	7.4		
	1110	104.34	2.5	7.46	18.6	650	4.3	12.8	7.0		
	1113	104.34	3.0	7.45	18.5	639	4.3	17.4	6.9		
	1115	104.34	3.5	7.45	18.6	625	4.3	20.6	6.2		
	1117	104.34	4.0	7.43	18.6	614	4.2	23.1	6.5		

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
12/1/22	1120	ACW-305	104.34	7.43	18.6	614	4.2	23.1	6.5	Per COC	Per Lab	Lab: Eurofins <i>JA Periso</i>

Monitoring Well Purging and Sampling Record

+ Dup - 02
(all analytes)

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

Well: ACW-30D

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: *ADS*
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
12/1/22	1000	NP	104.61	0.00	0.00	187.43	177.4	165-185			Weather: <i>SUNNY, 40'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
12/1/22	1005	104.88	0.5	7.30	17.3	27,900	4.1	-43.2	5.9	Low-flow purge-sample with	<i>clear</i>
	1007	104.90	1.0	6.58	17.5	28,700	2.8	-72.2	5.0	HMI's dedicated bladder pump	
	1010	104.95	1.5	6.49	17.7	28,900	2.1	-81.2	4.5		
	1013	104.97	2.0	6.46	17.8	29,200	1.7	-92.5	4.1		
	1015	104.98	2.5	6.45	17.7	29,400	1.5	-99.7	3.7		
	1017	104.98	3.0	6.45	17.7	29,600	1.5	-103.7	3.7		
	1020	104.99	3.5	6.45	17.7	29,600	1.5	-108.1	3.4		
	1023	104.99	4.0	6.45	17.7	29,700	1.4	-111.4	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
12/1/22	1025	ACW-30D	104.99	6.45	17.7	29,700	1.4	-111.4	3.2	Per COC	Per Lab	Lab: Eurofins <i>PA</i> <i>Pensg</i>
	1200	DUP-02	104.99	6.45	17.7	29,700	1.4	-111.4	3.2	"	"	

Monitoring Well Purging and Sampling Record

+ Dup-01
(all analytes)

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

Well: ACW-32S

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BA
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
12-1-22	955	NP	106.92	0.00	0.00	122.33	117.3	95-120				Weather: Sunny, 40'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
12-1-22	1000	107.02	0.5	8.33	19.1	3210	4.1	33.1	13.6	Low-flow purge-sample with	Clear
	1003	107.06	1.0	8.03	18.5	3240	3.2	39.3	10.2	HMI's dedicated bladder pump	
	1005	107.07	1.5	7.89	18.5	3270	2.8	43.7	7.1		
	1008	107.07	2.0	7.79	18.5	3300	2.2	45.9	4.9		
	1010	107.08	2.5	7.78	18.5	3310	1.8	46.7	3.8		
	1013	107.08	3.0	7.77	18.5	3310	1.8	47.1	4.0		
	1015	107.08	3.5	7.77	18.5	3300	1.9	48.9	3.6		
	1018	107.08	4.0	7.76	18.5	3290	1.9	50.1	3.3		

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
12-1-22	1020	ACW-32S	107.08	7.76	18.5	3290	1.9	50.1	3.3	Per COC	Per Lab	Lab: Eurofins IA: Pensa
	900	DUP-01	107.08	7.76	18.5	3290	1.9	50.1	3.3	11	1/	

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: BA
 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
12-22	910	NF	106.91	0.00	0.00	172.64	162.6	150-170				Weather: Sunny 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
12-22	915	106.97	0.5	7.30	19.1	2250	2.9	39.4	5.7	Low-flow purge-sample with	Clear
	918	106.97	1.0	7.28	19.1	2200	2.2	43.5	4.8	HMI's dedicated bladder pump	
	920	106.97	1.5	7.25	19.2	2180	2.0	44.3	4.0		
	923	106.97	2.0	7.24	19.2	2140	1.8	45.7	3.4		
	925	106.97	2.5	7.26	19.2	2100	1.8	44.4	3.1		
	928	106.97	3.0	7.29	19.3	2060	1.9	42.9	2.6		
	930	106.97	3.5	7.31	19.3	2030	1.8	41.3	2.8		
	933	106.97	4.0	7.33	19.3	2000	1.8	40.4	2.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-22	935	ACW-32D	106.97	7.33	19.3	2000	1.8	40.4	2.4	Per COC	Per Lab	Lab: Eurofins IA, Persa

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: *GPS*
Well Condition: *Good*

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/22	1215	NA	NA	NA	NA	NA	NA	NA				Weather: <i>Sunny, 50'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
12/1/22	1220	NA	1.0	7.90	16.0	529	4.4	-32.5	7.7	Mr. Doom's water supply well;	Clear
	1221	↓	2.0	7.65	18.2	510	3.2	-44.8	6.4	sampled at spigot inside	
	1222	↓	3.0	7.60	20.1	501	3.4	-57.4	5.9	Mr. Doom's shed; purged	↓
	1223	↓	4.0	7.58	17.9	500	3.1	-63.8	6.2	4 gal prior to sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/22	1225	Doom Well	NA	7.58	17.9	500	3.1	-63.8	6.2	Per COC	Per Lab	Lab: Eurofins <i>J. Pensel</i>

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: TAB
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
12/1/22	800	NP	107.66	0.00	0.00	155.35	150.4	123-148					Weather: Clear 40°

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

* Booster Sta Combo lock 2433

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company

Jal #4 Gas Plant

Lea County, New Mexico

Well: EPNG-01

Hydrologic Monitoring

Houston, Texas

Well Inspection Information

Well. EPNG-01

SCU *
11/22/22 ~~Contact Israel (Energy Transfer) 432-298-8677 and report~~
~~"Plant, Jal #4 Booster Station," the day before, for timing~~

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)				Well Condition: <u>Good</u>
												Comments
12/1/22	1120	NP	109.22	0.00	0.00	163.93	160.9	120-160				
												Weather: <u>Sunny 30's</u>

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

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: *BD*
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
12/1/22	1210	NA	NA	NA	NA	NA	NA	NA				
												Weather: <i>Sunny 30'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
12/1/22	1215	NA	1.0	6.94	18.3	1147	3.8	-125.8	8.3		
	1216	↓	2.0	6.99	18.2	1140	3.2	-128.6	5.9	OXY bldg. water supply well;	<i>Clear</i>
	1217	↓	3.0	7.02	18.2	1136	2.9	-130.2	5.2	sampled at outdoor spigot (to	<i>il</i>
	1218	↓	4.0	7.05	18.3	1132	2.7	-131.8	5.0	right of front door; pliers may be	<i>il</i>
										needed); purge 4 gal prior to	<i>il</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
12/1/22	1220 fmr	OXY Well	NA	7.05	18.3	1132	2.7	-131.8	5.0			Lab: Eurofins <i>JA Per 59</i>
										Per COC	Per Lab	

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: GA
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
12-1-22	1130	NP	107.6	0.00	0.00	136.09	131.1	110-130				Weather: Sunny, 50°F

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-22	1135	107.75	0.5	6.87	19.5	2030	1.3	-139.4	4.6		
	1137	107.75	1.0	6.83	19.6	1980	1.1	-136.7	4.2	Low-flow purge-sample with	Clear
	1140	107.75	1.5	6.81	19.8	1860	1.0	-135.4	3.8	HMI's dedicated bladder pump	
	1142	107.75	2.0	6.80	19.9	1740	0.8	-132.7	3.7		
	1145	107.75	2.5	6.79	20.0	1700	0.9	-133.2	3.3		
	1147	107.75	3.0	6.78	20.1	1680	1.0	-132.4	2.9		
	1150	107.75	3.5	6.77	20.1	1690	1.0	-133.9	2.5		
	1152	107.75	4.0	6.75	20.0	1670	1.1	-131.7	2.3		

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
2-1-22	1155	PTP-01	107.75	6.75	20.0	1670	1.1	-131.7	2.3	Per COC	Per Lab	Lab: Eurofins TX, Pensla

(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: 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
12-1-22	925	NP	109.24	0.00	0.00	173.65	NA	105-175				Weather: Sunny 40S

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: 051
Well Condition: 6000

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)				
12-22	1220	NP	166.16	0.00	0.00	177.69	NA	136.7 -				
								176.7				

Initials: *JSB*
Well Condition: *Good*

Comments

Weather: *Sunny 40s*

Well Drilling Report

Well Purging Record

[illegible]

Well Sampling Record

No sample; Gauge-only

[illegible]

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
3-29-22	0745	4.01/7.00	1.000	100%	10.0	231.7	BA
3/29-22	0750	4.01/7.00	1.000	100%	10.0	238.9	TAB
3/29/22	0756	4.01/7.00	1.000	100%	10.0	237.1	GDJ
6/29/22	0715	4.01/7.00	1.000	100%	10.0	244.1	GDJ
6-29-22	0717	4.01/7.00	1.000	100%	10.0	230.4	GDJ
6-29-22	0719	4.01/7.00	1.000	100%	10.0	219.6	BA
9/20/22	0730	4.01/7.00	1.000	100%	10.0	241.2	TAB
9/20/22	0736	4.01/7.00	1.000	100%	10.0	237.1	GDJ
12/1/22	0755	4.01/7.00	1.000	100%	10.0	241.1	GDJ
12/1/22	0758	4.01/7.00	1.000	100%	10.0	247.6	GDJ
12/1/22	0800	4.01/7.00	1.000	100%	10.0	251.8	TAB
12-1-22	0803	4.01/7.00	1.000	100%	10.0	231.7	BA
12-1-22	0805	4.01/7.00	1.000	100%	10.0	238.4	HAN
12-1-22	0807	4.01/7.00	1.000	100%	10.0	227.9	GG
12/1/22	0810	4.01/7.00	1.000	100%	10.0	243.6	BS

Released to Imaging: 5/17/2023 12:06:55 PM

Carolina Penology
State Prisoners Dept.
Penitentiary, P.O. Box 14
Raleigh, NC 27601-0014 Fax: 919-733-2000

Chain of Custody Record

Client Information

Client Name: Scott, Dale + Mrs. Yarns

Client ID: 832 347 4521

County: ALBEMARLE

Address: 18018 Kelly Parkway Suite 101

City: FAIRFAX

State: NC

Zip: 27033

Phone: 703-440-0000 Fax: 703-440-0000

Referral: General Population

Referral Date: 12-10-2021

Referral Source: Prison

Analysis Requested

Analysis Requested: 1. Urine - 2. Hair

Analysis Date: 12/1/22

Analysis Time: 15:40

Analysis Location: Unit

Sample Identification

Sample ID	Sample Type	Sample Time	Sample Location	Sample Status
ACW-14	Urine	10:55	G	✓
ACW-15	Urine	11:30		✓
ACW-16	Urine	9:25		✓
ACW-17	Urine	1:55		✓
ACW-18	Urine	11:15		✓
ACW-19	Urine	11:15		✓
ACW-20	Urine	10:25		✓
ACW-21	Urine	9:05		✓
ACW-22	Urine	10:00		✓
ACW-23	Urine	11:25		✓
ACW-24	Urine	8:45		✓

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Toxic ☐ Corrosive ☐ Explosive ☐ Radioactive ☐ Other

Chain of Custody

Sample Received by: ALB Date: 12/1/22 Time: 15:40 Location: Unit

Sample Analyzed by: Unit Date: 12/1/22 Time: 15:40 Location: Unit

Sample Released by: Unit Date: 12/1/22 Time: 15:40 Location: Unit

Chain of Custody Number: 12/1/22 15:40

12000 Wilshire Blvd.
Beverly Hills, CA 90210
Phone: 800-475-1000 Fax: 310-206-0000

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses for all conditions. The number of correct responses was significantly higher than the number of incorrect responses for all conditions. The number of correct responses was significantly higher than the number of incorrect responses for all conditions.

1. Name of the person: John Doe
 2. Date of birth: 12/12/1980
 3. Address: 123 Main St, New York, NY 10001
 4. Phone: 212-555-1234
 5. Email: john.doe@example.com
 6. Occupation: Software Engineer
 7. Education: B.S. in Computer Science
 8. Marital Status: Single
 9. Number of children: 0
 10. Current residence: Apartment 5B, 123 Main St
 11. Previous residences: 456 Oak St, New York, NY
 12. Current employer: ABC Corp.
 13. Previous employers: XYZ Inc., DEF Ltd.
 14. Current salary: \$80,000
 15. Previous salaries: \$60,000, \$70,000
 16. Current bank: Chase Bank
 17. Previous banks: Bank of America, Wells Fargo
 18. Current car: 2015 Toyota Camry
 19. Previous cars: 2010 Honda Civic, 2008 Ford Focus
 20. Current insurance: State Farm
 21. Previous insurance: Allstate, Geico
 22. Current health insurance: Blue Cross
 23. Previous health insurance: UnitedHealthcare, Aetna
 24. Current life insurance: Term Life
 25. Previous life insurance: Whole Life, Universal Life
 26. Current disability insurance: Short-Term
 27. Previous disability insurance: Long-Term, Sickness Indemnity
 28. Current vision insurance: Blue Cross
 29. Previous vision insurance: UnitedHealthcare, Aetna
 30. Current dental insurance: Blue Cross
 31. Previous dental insurance: UnitedHealthcare, Aetna
 32. Current pet insurance: None
 33. Previous pet insurance: None
 34. Current travel insurance: None
 35. Previous travel insurance: None
 36. Current life insurance: Term Life
 37. Previous life insurance: Whole Life, Universal Life
 38. Current disability insurance: Short-Term
 39. Previous disability insurance: Long-Term, Sickness Indemnity
 40. Current vision insurance: Blue Cross
 41. Previous vision insurance: UnitedHealthcare, Aetna
 42. Current dental insurance: Blue Cross
 43. Previous dental insurance: UnitedHealthcare, Aetna
 44. Current pet insurance: None
 45. Previous pet insurance: None
 46. Current travel insurance: None
 47. Previous travel insurance: None
 48. Current life insurance: Term Life
 49. Previous life insurance: Whole Life, Universal Life
 50. Current disability insurance: Short-Term
 51. Previous disability insurance: Long-Term, Sickness Indemnity
 52. Current vision insurance: Blue Cross
 53. Previous vision insurance: UnitedHealthcare, Aetna
 54. Current dental insurance: Blue Cross
 55. Previous dental insurance: UnitedHealthcare, Aetna
 56. Current pet insurance: None
 57. Previous pet insurance: None
 58. Current travel insurance: None
 59. Previous travel insurance: None
 60. Current life insurance: Term Life
 61. Previous life insurance: Whole Life, Universal Life
 62. Current disability insurance: Short-Term
 63. Previous disability insurance: Long-Term, Sickness Indemnity
 64. Current vision insurance: Blue Cross
 65. Previous vision insurance: UnitedHealthcare, Aetna
 66. Current dental insurance: Blue Cross
 67. Previous dental insurance: UnitedHealthcare, Aetna
 68. Current pet insurance: None
 69. Previous pet insurance: None
 70. Current travel insurance: None
 71. Previous travel insurance: None
 72. Current life insurance: Term Life
 73. Previous life insurance: Whole Life, Universal Life
 74. Current disability insurance: Short-Term
 75. Previous disability insurance: Long-Term, Sickness Indemnity
 76. Current vision insurance: Blue Cross
 77. Previous vision insurance: UnitedHealthcare, Aetna
 78. Current dental insurance: Blue Cross
 79. Previous dental insurance: UnitedHealthcare, Aetna
 80. Current pet insurance: None
 81. Previous pet insurance: None
 82. Current travel insurance: None
 83. Previous travel insurance: None
 84. Current life insurance: Term Life
 85. Previous life insurance: Whole Life, Universal Life
 86. Current disability insurance: Short-Term
 87. Previous disability insurance: Long-Term, Sickness Indemnity
 88. Current vision insurance: Blue Cross
 89. Previous vision insurance: UnitedHealthcare, Aetna
 90. Current dental insurance: Blue Cross
 91. Previous dental insurance: UnitedHealthcare, Aetna
 92. Current pet insurance: None
 93. Previous pet insurance: None
 94. Current travel insurance: None
 95. Previous travel insurance: None
 96. Current life insurance: Term Life
 97. Previous life insurance: Whole Life, Universal Life
 98. Current disability insurance: Short-Term
 99. Previous disability insurance: Long-Term, Sickness Indemnity
 100. Current vision insurance: Blue Cross
 101. Previous vision insurance: UnitedHealthcare, Aetna
 102. Current dental insurance: Blue Cross
 103. Previous dental insurance: UnitedHealthcare, Aetna
 104. Current pet insurance: None
 105. Previous pet insurance: None
 106. Current travel insurance: None
 107. Previous travel insurance: None
 108. Current life insurance: Term Life
 109. Previous life insurance: Whole Life, Universal Life
 110. Current disability insurance: Short-Term
 111. Previous disability insurance: Long-Term, Sickness Indemnity
 112. Current vision insurance: Blue Cross
 113. Previous vision insurance: UnitedHealthcare, Aetna
 114. Current dental insurance: Blue Cross
 115. Previous dental insurance: UnitedHealthcare, Aetna
 116. Current pet insurance: None
 117. Previous pet insurance: None
 118. Current travel insurance: None
 119. Previous travel insurance: None
 120. Current life insurance: Term Life
 121. Previous life insurance: Whole Life, Universal Life
 122. Current disability insurance: Short-Term
 123. Previous disability insurance: Long-Term, Sickness Indemnity
 124. Current vision insurance: Blue Cross
 125. Previous vision insurance: UnitedHealthcare, Aetna
 126. Current dental insurance: Blue Cross
 127. Previous dental insurance: UnitedHealthcare, Aetna
 128. Current pet insurance: None
 129. Previous pet insurance: None
 130. Current travel insurance: None
 131. Previous travel insurance: None
 132. Current life insurance: Term Life
 133. Previous life insurance: Whole Life, Universal Life
 134. Current disability insurance: Short-Term
 135. Previous disability insurance: Long-Term, Sickness Indemnity
 136. Current vision insurance: Blue Cross
 137. Previous vision insurance: UnitedHealthcare, Aetna
 138. Current dental insurance: Blue Cross
 139. Previous dental insurance: UnitedHealthcare, Aetna
 140. Current pet insurance: None
 141. Previous pet insurance: None
 142. Current travel insurance: None
 143. Previous travel insurance: None
 144. Current life insurance: Term Life
 145. Previous life insurance: Whole Life, Universal Life
 146. Current disability insurance: Short-Term
 147. Previous disability insurance: Long-Term, Sickness Indemnity
 148. Current vision insurance: Blue Cross
 149. Previous vision insurance: UnitedHealthcare, Aetna
 150. Current dental insurance: Blue Cross
 151. Previous dental insurance: UnitedHealthcare, Aetna
 152. Current pet insurance: None
 153. Previous pet insurance: None
 154. Current travel insurance: None
 155. Previous travel insurance: None
 156. Current life insurance: Term Life
 157. Previous life insurance: Whole Life, Universal Life
 158. Current disability insurance: Short-Term
 159. Previous disability insurance: Long-Term, Sickness Indemnity
 160. Current vision insurance: Blue Cross
 161. Previous vision insurance: UnitedHealthcare, Aetna
 162. Current dental insurance: Blue Cross
 163. Previous dental insurance: UnitedHealthcare, Aetna
 164. Current pet insurance: None
 165. Previous pet insurance: None
 166. Current travel insurance: None
 167. Previous travel insurance: None
 168. Current life insurance: Term Life
 169. Previous life insurance: Whole Life, Universal Life
 170. Current disability insurance: Short-Term
 171. Previous disability insurance: Long-Term, Sickness Indemnity
 172. Current vision insurance: Blue Cross
 173. Previous vision insurance: UnitedHealthcare, Aetna
 174. Current dental insurance: Blue Cross
 175. Previous dental insurance: UnitedHealthcare, Aetna
 176. Current pet insurance: None
 177. Previous pet insurance: None
 178. Current travel insurance: None
 179. Previous travel insurance: None
 180. Current life insurance: Term Life
 181. Previous life insurance: Whole Life, Universal Life
 182. Current disability insurance: Short-Term
 183. Previous disability insurance: Long-Term, Sickness Indemnity
 184. Current vision insurance: Blue Cross<

[illegible]

● 中国书画函授大学肇庆分校

[illegible]

ARF FORM: SHEET 1

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev_7_04032017	
	Analytical Request Form (ARF) Project Information
Current Site Company/Pipeline Name: <u>EPNG</u> ARF #: <u>ERG-ARC-11-07-22-ARS-04</u> xxx-xxx-mm-dd-yy-xxx-##	
ENFOS AOC / Project Name (make sure to match ENFOS AOC): <u>Jal #4 Gas Plant RWIP</u>	
FOR LAB USE ONLY	
Lab Work Directive (WD)/ENFOS WD/PO# <u>WD1040015</u>	
Lab Cost Cluster: <u>CC06_Monitoring</u> Lab Subtask: <u>Lab - I (1.4, 2.3, 7.3, 8.4)(19)</u>	
Project Billing : ☒ Lab Enters Invoice Through Enfos ☐ Paper invoice mailed to KM PM listed below ☐ Other/ Describe: _____	
Site Description or contaminants of concern <u>BTEX, Chloride, Sodium, TDS, Specific Conductance</u>	
Site Address: <u>9 Miles North of Jal, NM on Hwy 18</u>	
City: <u>Jal</u>	State: <u>NM</u> Country: <u>USA</u>
Regulatory Agency: <u>NMOCD</u>	
Project Type (RCRA, CERCLA, TRRP): _____	
Anticipated Start Date: <u>12/1/2022</u>	Anticipated Completion Date: <u>12/1/2022</u>
Frequency of Sampling: <u>Quarterly</u>	Sampling Plan Attached: <u>No</u>
Are there Additional Requests/ Special Instructions on Page 2? <u>No</u>	
Title(s)/Date(s) of attached sampling information: _____ _____ _____	

Project Management Contacts

KM Contact	
KM Office: <u>Houston</u>	☒ Copy on ARF Distribution
Address: <u>1001 Louisiana Street, Room 757A</u> <u>Houston, TX 770022</u>	
KM Project Manager: <u>Joe Wiley</u>	E-mail: Joe_Wiley@KinderMorgan.com
Phone : <u>713-420-3475</u>	Fax: _____
Designated Consultant Contact	
Designated Consultant Firm Name: <u>AECOM</u>	☒ Copy on ARF Distribution
Address: <u>19219 Katy Freeway, Suite 100</u> <u>Houston, TX 77094</u>	
Designated Consultant Project Manager: <u>Wally Gilmore</u>	E-mail: wallace.gilmore@aecom.com
Phone : <u>713-542-9523</u>	Fax: _____
Laboratory Contact	
Laboratory Name: <u>Eurofins TestAmerica, Pensacola</u>	☒ Copy on ARF Distribution
Address: <u>3355 McLemore Drive</u> <u>Pensacola, FL 32514</u>	
Laboratory Project Manager: <u>Cheyenne Whitmire</u>	E-mail: Cheyenne.Whitmire@Eurofinset.com
Phone : <u>850-471-6222</u>	Fax: <u>361-289-2471</u>
Additional Parties to Receive ARF:	
Name: _____	E-mail: _____
Affiliation: _____	
Name: _____	E-mail: _____
Affiliation: _____	
Name: _____	E-mail: _____
Affiliation: _____	

ARF FORM: SHEET 1

Data Deliverables

Data Package Deliverables supplied to: _____

Required Data Deliverables Format(s): _____

Required Format of Electronic Data Deliverables _____

PDF
ExcelHardcopy
EquisPDF and Hardcopy
Enfos

CD

Size Limitation for e-mail of deliverable _____

10**MB** or Unlimited

Forward the Electronic Data Deliverables to: _____

Name

Wally Gilmore

E-Mail Address

wallace.gilmore@aecon.com

Special Instructions for data package or electronic deliverable?: _____

Record of ARF Initiation and Revisions

Initiated ARF: _____

Name: _____

Wally Gilmore

Date: _____

11/7/2022

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: _____

ARF FORM: SHEET 2

Parameters and Analytical Methods Requested

Unless otherwise noted, all fields should be completed by ARF Initiator.

rev 7 04032017

Parameters and Analytical Method Requested															
Projected Analytical Plan & Number of Samples to be Collected															
Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other		Matrix Code	DP/TAT Level Code	Number of Investigatory Samples	Number of Samples for Hold/Archival	Quality Control Samples				Total Number of Samples Expected	Total Number of Samples Analyzed	For Laboratory Use Only			
Compound List or Parameter	Analytical Method					MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates			Number of Samples Received by Laboratory	Unit Rate	Total Cost	
BTEX	8260B	W	L2/28D	36	0	0	6	0	4	46					
Total Dissolved Solids	SM 2540C	W	L2/28D	36	0	0	0	0	4	40					
Chloride	EPA SW846 9056	W	L2/28D	36	0	0	0	0	4	40					
Sodium	EPA SW846 6010B	W	L2/28D	36	0	0	0	0	4	40					
Specific Conductance	EPA 120.1	W	L2/28D	36	0	0	0	0	4	40					
														\$	-
Sampling Frequency: SINGLE EVENT WEEKLY MONTHLY QUARTERLY SEMI-ANNUAL ANNUAL OTHER/DESCRIBE:															
Are special regulatory requirements, detection limits or action levels needed?															
Are SW-846 Method 5035 volatile organic analyses requested? No If yes, what container is required? Tared Vials Methanol Vials 4-oz. jars EnCore Kits Terra Core Kits															
Does an approved QAPJP exist? No Title:															
Revision/Date															
Are reporting estimated values "J" required for results less than the reporting limit? Yes															
Are tentatively identified compounds (TICs) required? Volatiles Semivolatiles															
Sample retention time (post reporting): 30 days (standard) Other (Hold for ____ days)															
Ship Bottles to:															
Name	Scott Ude														
Consultant	HMI														
Location Name															
Street Address	1654 W Sam Houston Pkwy N														
City, State, Zip	Houston, Texas 77043														
Phone Number	713-714-1624														
Date/Time Bottles Required	11/16/2022														
Shipping Return:															
FedEx	UPS Laboratory Courier														
Saturday Receipt															

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to:		<u>LAB USE ONLY</u>
Company Name	Kinder Morgan	Internal Laboratory Work Order Number
Name	Joe Wiley	
Street Address	1001 Louisiana Street, Room 757A	
City, State, Zip	Houston, TX 77002	
Phone Number	713-420-3475	
Invoice Approval		
Company Name	Kinder Morgan	
Final Invoice		

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to HMI by November 16, 2022.

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
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Appendix C

Laboratory Analytical Reports

March 2023



Data Usability Summary

Date: February 24, 2023

To: Wally Gilmore, AECOM

CC: Robert Jones, AECOM

From: Ruth Parks, AECOM

Subject: Data Usability Summary for Review of 2022 First Quarter Groundwater Data
Laboratory Report Number 400-217708
Jal #4 Gas Plant, Jal, New Mexico

Data Usability Summary

Data from Eurofins in Pensacola, Florida were reviewed for the analysis of samples collected March 29, 2022 at the Jal #4 Gas Plant in Jal, New Mexico.

Data were reviewed for conformance to the requirements of *SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods* (SW-846). The purpose of this sampling event was to provide current data on concentrations of potential chemicals of concern (COCs) in groundwater for the Jal #4 Gas Plant property.

Samples were analyzed using:

- SW-846 6010B – Inductively Coupled Plasma – Atomic Emission Spectrometry,
- SW-846 8260B - Volatile Organic Compounds by Gas Chromatography-Mass Spectrometry (GC/MS),
- EPA Method 300.0 – Determination of Inorganic Anions by Ion Chromatograph,
- EPA Method 120.1 – Conductivity, Specific Conductance, and
- Standard Method 2540 C – Total Dissolved Solids (Dried at 180 C).

Data were reviewed and the results are discussed in this Data Usability Summary (DUS). The reportable data, quality control results, sample receipt checklist and chain-of-custody (C-O-C) records were examined for laboratory report 400-217708.

Introduction

Groundwater samples, a field duplicate, and a trip blank were analyzed for site-specific metals, volatile organic compounds (VOCs), inorganic anions, specific conductivity, and total dissolved solids (TDS) as requested on the chain-of-custodies (C-O-C). **Table B-1** lists the sample identifications cross-referenced to the laboratory identifications.

Analytical Results

Qualified data listed in Table B-2.



Data Usability Summary

Preservation and Holding Times

All samples were evaluated for agreement with the chain-of-custody (C-O-C). Sample bottles were received in good condition and within the temperature acceptance criteria of $\leq 6^{\circ}\text{C}$. Samples were prepared and analyzed within the holding times specified in SW-846 Table 2-40.

Calibrations

Calibration data were not submitted in this package and are not part of the standard deliverable.

Blanks

Target analytes were not detected in trip or method blanks.

Surrogate Recoveries

Samples with surrogate recoveries (%R) outside the laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**.

Laboratory Control Samples

Samples with laboratory control sample (LCS) recoveries (%R) outside of laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**. If a laboratory control sampled duplicate (LCSD) was analyzed, data with duplicate precision (as relative percent difference [RPD]) outside of laboratory acceptance criteria is qualified as “J” for LCS precision and listed in **Table B-2**.

Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Non-project sample data were not evaluated. Data with MS/MSD recoveries outside of laboratory specifications are qualified as “JL” for detections and “UJ” for non-detects when below specifications and “JH” when above specifications and listed in **Table B-2**. Sample data with MS/MSD precision (RPD) outside of the laboratory acceptance criteria are qualified as “J” for MS/MSD precision and listed in **Table B-2**.

Field and Laboratory Precision

Precision results for replicate and duplicate samples are summarized in **Table B-3**. Duplicate precision was not calculated for analytes which were reported as non-detect (U) or qualified as “U” in **Table B-2**. Analytes with non-detect results for both replicate and duplicate were not listed in the table. Field sample and sample duplicate analytes with RPD results outside of the project quality acceptance criteria of $\leq 30\%$ RPD are qualified as estimated “J” and listed in **Table B-2**.

Summary

Groundwater analytical data are usable for the purpose of determining concentrations of metals, VOCs, inorganics anions, specific conductivity, and TDS in samples.



Data Usability Summary

Tables**Table B-1. Cross-Reference Field Sample Identifications and Laboratory Identifications**

Field Identification	Laboratory Identification	Comment
ACW-13	400-217708-1	
ACW-14	400-217708-2	
ACW-15	400-217708-3	
DOOM WELL	400-217708-4	
OXY WELL	400-217708-5	
DUP-01	400-217708-6	Duplicate of ACW-13
TRIP BLANK-01	400-217708-7	Trip Blank

Table B-2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
ACW-14	TDS	J	Lab Duplicate Precision > 5 RPD
J – Estimated data; the sample concentration is approximated. U – Not detected. R – Rejected data. Data are unusable. H – Bias in sample result is likely to be high. L – Bias in the sample result is likely to be low.			

Table B-3. Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD	Qualified
ACW-13 / DUP-01	Chloride	1600	1600	0.0	A
	Sodium	220	220	0.0	A
	Specific Conductance	5100	5100	0.0	A
	TDS	4600	5100	10.3	A
RPD = ((SR-DR)*200)/(SR+DR) A – Acceptable data A* - Acceptable data since absolute difference is <2X MQL J – Estimated data due to inability to meet QC criteria					



Environment Testing
America

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-217708-1
Client Project/Site: Jal #4 Gas Plant 1Q22

For:
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Attn: Mr. Wallace Gilmore

Authorized for release by:
4/8/2022 5:51:10 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Laboratory Job ID: 400-217708-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

Job ID: 400-217708-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-217708-1

Receipt

The samples were received on 3/30/2022 8:44 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-217708-1), ACW-14 (400-217708-2), ACW-15 (400-217708-3), DOOM WELL (400-217708-4), OXY WELL (400-217708-5) and DUP-01 (400-217708-6). Elevated reporting limits (RLs) are provided.

Method 300.0: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-572518 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Metals

Method 6010B: The continuing calibration verification (CCV) associated with batch 400-572785 recovered above the upper control limit for Sodium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-572204 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-572203 was outside control limits. Sample non-homogeneity is suspected.

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

Detection Summary

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-217708-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1600		50	6.0	mg/L	50		300.0	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	5100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4600		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-217708-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		5.0	0.60	mg/L	5		300.0	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	790		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-217708-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	230		10	1.2	mg/L	10		300.0	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	820		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-217708-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	35		1.0	0.12	mg/L	1		300.0	Total/NA
Sodium	67		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	690		5.0	5.0	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: OXY WELL

Lab Sample ID: 400-217708-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00036	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	250		10	1.2	mg/L	10		300.0	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1600		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	790		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-217708-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1600		50	6.0	mg/L	50		300.0	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	5100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5100		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-217708-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
6010B	Metals (ICP)	SW846	TAL PEN
120.1	Conductivity, Specific Conductance	MCAWW	TAL PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PEN
3010A	Preparation, Total Metals	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Eurofins Pensacola

Sample Summary

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-217708-1	ACW-13	Water	03/29/22 09:25	03/30/22 08:44
400-217708-2	ACW-14	Water	03/29/22 08:25	03/30/22 08:44
400-217708-3	ACW-15	Water	03/29/22 10:25	03/30/22 08:44
400-217708-4	DOOM WELL	Water	03/29/22 09:05	03/30/22 08:44
400-217708-5	OXY WELL	Water	03/29/22 08:35	03/30/22 08:44
400-217708-6	DUP-01	Water	03/29/22 10:00	03/30/22 08:44
400-217708-7	TRIP BLANK-01	Water	03/29/22 00:01	03/30/22 08:44

Client Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-217708-1

Date Collected: 03/29/22 09:25

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 16:17	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 16:17	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 16:17	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 16:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119					04/06/22 16:17	1
Dibromofluoromethane	111		75 - 126					04/06/22 16:17	1
Toluene-d8 (Surr)	80		64 - 132					04/06/22 16:17	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	6.0	mg/L			04/04/22 20:02	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	5100		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	4600		25	25	mg/L			03/31/22 16:32	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

Client Sample ID: ACW-14

Lab Sample ID: 400-217708-2

Date Collected: 03/29/22 08:25

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 16:42	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 16:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 16:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 16:42	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119					04/06/22 16:42	1
Dibromofluoromethane	110		75 - 126					04/06/22 16:42	1
Toluene-d8 (Surr)	80		64 - 132					04/06/22 16:42	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.0	0.60	mg/L			04/04/22 20:23	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1100		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	790		5.0	5.0	mg/L			03/31/22 16:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

Client Sample ID: ACW-15

Lab Sample ID: 400-217708-3

Date Collected: 03/29/22 10:25

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 17:06	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 17:06	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 17:06	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 17:06	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119					04/06/22 17:06	1
Dibromofluoromethane	114		75 - 126					04/06/22 17:06	1
Toluene-d8 (Surr)	79		64 - 132					04/06/22 17:06	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		10	1.2	mg/L			04/04/22 20:44	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1300		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	820		5.0	5.0	mg/L			03/31/22 16:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: DOOM WELL

Lab Sample ID: 400-217708-4

Date Collected: 03/29/22 09:05

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 17:30	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 17:30	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 17:30	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 17:30	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119					04/06/22 17:30	1
Dibromofluoromethane	108		75 - 126					04/06/22 17:30	1
Toluene-d8 (Surr)	78		64 - 132					04/06/22 17:30	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35		1.0	0.12	mg/L			04/04/22 21:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	67		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	690		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	400		5.0	5.0	mg/L			03/31/22 16:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: OXY WELL

Lab Sample ID: 400-217708-5

Date Collected: 03/29/22 08:35

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00036	J	0.0010	0.00013	mg/L			04/06/22 17:55	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 17:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 17:55	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119					04/06/22 17:55	1
Dibromofluoromethane	112		75 - 126					04/06/22 17:55	1
Toluene-d8 (Surr)	78		64 - 132					04/06/22 17:55	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10	1.2	mg/L			04/04/22 21:26	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1600		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	790		10	10	mg/L			03/31/22 16:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: DUP-01

Lab Sample ID: 400-217708-6

Date Collected: 03/29/22 10:00

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 18:19	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 18:19	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 18:19	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 18:19	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119					04/06/22 18:19	1
Dibromofluoromethane	111		75 - 126					04/06/22 18:19	1
Toluene-d8 (Surr)	76		64 - 132					04/06/22 18:19	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	6.0	mg/L			04/05/22 00:33	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		04/05/22 11:56	04/07/22 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	5100		5.0	5.0	umhos/cm			04/08/22 16:09	1
Total Dissolved Solids	5100		25	25	mg/L			03/31/22 16:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-217708-7

Date Collected: 03/29/22 00:01

Matrix: Water

Date Received: 03/30/22 08:44

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			04/06/22 15:28	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 15:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 15:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		04/06/22 15:28	1
Dibromofluoromethane	113		75 - 126		04/06/22 15:28	1
Toluene-d8 (Surr)	80		64 - 132		04/06/22 15:28	1

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Definitions/Glossary

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

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: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Method: 8260B - Volatile Organic Compounds (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)
400-217708-1	ACW-13	96	111	80
400-217708-2	ACW-14	97	110	80
400-217708-3	ACW-15	97	114	79
400-217708-4	DOOM WELL	97	108	78
400-217708-5	OXY WELL	95	112	78
400-217708-6	DUP-01	95	111	76
400-217708-7	TRIP BLANK-01	97	113	80
LCS 400-572773/1002	Lab Control Sample	107	97	85
MB 400-572773/4	Method Blank	96	106	81

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-217708-1

Date Collected: 03/29/22 09:25

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 16:17	BPO	TAL PEN
Total/NA	Analysis	300.0		50			572518	04/04/22 20:02	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:22	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	572203	03/31/22 16:32	VB	TAL PEN

Client Sample ID: ACW-14

Lab Sample ID: 400-217708-2

Date Collected: 03/29/22 08:25

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 16:42	BPO	TAL PEN
Total/NA	Analysis	300.0		5			572518	04/04/22 20:23	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:26	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

Client Sample ID: ACW-15

Lab Sample ID: 400-217708-3

Date Collected: 03/29/22 10:25

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 17:06	BPO	TAL PEN
Total/NA	Analysis	300.0		10			572518	04/04/22 20:44	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:30	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-217708-4

Date Collected: 03/29/22 09:05

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 17:30	BPO	TAL PEN
Total/NA	Analysis	300.0		1			572518	04/04/22 21:05	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:34	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: OXY WELL

Lab Sample ID: 400-217708-5

Date Collected: 03/29/22 08:35

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 17:55	BPO	TAL PEN
Total/NA	Analysis	300.0		10			572518	04/04/22 21:26	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:38	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-217708-6

Date Collected: 03/29/22 10:00

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 18:19	BPO	TAL PEN
Total/NA	Analysis	300.0		50			572520	04/05/22 00:33	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 15:42	BAW	TAL PEN
Total/NA	Analysis	120.1		1			573184	04/08/22 16:09	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-217708-7

Date Collected: 03/29/22 00:01

Matrix: Water

Date Received: 03/30/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	572773	04/06/22 15:28	BPO	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572203/1

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	572203	03/31/22 16:32	VB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572204/1

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	572204	03/31/22 16:33	VB	TAL PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572518/5

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	300.0		1			572518	04/04/22 11:22	JAS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572520/37

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	300.0		1			572520	04/04/22 22:28	JAS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572647/1-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	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			572785	04/06/22 05:49	BAW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-572773/4

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	8260B		1	5 mL	5 mL	572773	04/06/22 12:37	BPO	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-573184/1

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			573184	04/08/22 16:09	CAC	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572203/2

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	572203	03/31/22 16:32	VB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572204/2

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	572204	03/31/22 16:33	VB	TAL PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572518/6

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	300.0		1	10 mL	1.0 mL	572518	04/04/22 11:43	JAS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572520/38

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	300.0		1			572520	04/04/22 22:49	JAS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572647/2-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	572647	04/05/22 11:56	KWN	TAL PEN
Total/NA	Analysis	6010B		1			573141	04/07/22 14:46	BAW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-572773/1002

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	8260B		1	5 mL	5 mL	572773	04/06/22 11:28	BPO	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-573184/2

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			573184	04/08/22 16:09	CAC	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-572518/7

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	300.0		1	10 mL	1.0 mL	572518	04/04/22 12:04	JAS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-572520/39

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	300.0		1			572520	04/04/22 23:10	JAS	TAL PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

Client Sample ID: ACW-13
Date Collected: 03/29/22 09:25
Date Received: 03/30/22 08:44

Lab Sample ID: 400-217708-1 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			573184	04/08/22 16:09	CAC	TAL PEN

Client Sample ID: ACW-14
Date Collected: 03/29/22 08:25
Date Received: 03/30/22 08:44

Lab Sample ID: 400-217708-2 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	50 mL	50 mL	572204	03/31/22 16:33	VB	TAL PEN

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

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

GC/MS VOA

Analysis Batch: 572773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	8260B	
400-217708-2	ACW-14	Total/NA	Water	8260B	
400-217708-3	ACW-15	Total/NA	Water	8260B	
400-217708-4	DOOM WELL	Total/NA	Water	8260B	
400-217708-5	OXY WELL	Total/NA	Water	8260B	
400-217708-6	DUP-01	Total/NA	Water	8260B	
400-217708-7	TRIP BLANK-01	Total/NA	Water	8260B	
MB 400-572773/4	Method Blank	Total/NA	Water	8260B	
LCS 400-572773/1002	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 572518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	300.0	
400-217708-2	ACW-14	Total/NA	Water	300.0	
400-217708-3	ACW-15	Total/NA	Water	300.0	
400-217708-4	DOOM WELL	Total/NA	Water	300.0	
400-217708-5	OXY WELL	Total/NA	Water	300.0	
MB 400-572518/5	Method Blank	Total/NA	Water	300.0	
LCS 400-572518/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-572518/7	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 572520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-6	DUP-01	Total/NA	Water	300.0	
MB 400-572520/37	Method Blank	Total/NA	Water	300.0	
LCS 400-572520/38	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-572520/39	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 572647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	3010A	
400-217708-2	ACW-14	Total/NA	Water	3010A	
400-217708-3	ACW-15	Total/NA	Water	3010A	
400-217708-4	DOOM WELL	Total/NA	Water	3010A	
400-217708-5	OXY WELL	Total/NA	Water	3010A	
400-217708-6	DUP-01	Total/NA	Water	3010A	
MB 400-572647/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-572647/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 572785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-572647/1-A	Method Blank	Total/NA	Water	6010B	572647

Analysis Batch: 573141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	6010B	572647
400-217708-2	ACW-14	Total/NA	Water	6010B	572647
400-217708-3	ACW-15	Total/NA	Water	6010B	572647

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QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 1Q22

Job ID: 400-217708-1

Metals (Continued)

Analysis Batch: 573141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-4	DOOM WELL	Total/NA	Water	6010B	572647
400-217708-5	OXY WELL	Total/NA	Water	6010B	572647
400-217708-6	DUP-01	Total/NA	Water	6010B	572647
LCS 400-572647/2-A	Lab Control Sample	Total/NA	Water	6010B	572647

General Chemistry

Analysis Batch: 572203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	SM 2540C	
MB 400-572203/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-572203/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 572204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-2	ACW-14	Total/NA	Water	SM 2540C	
400-217708-3	ACW-15	Total/NA	Water	SM 2540C	
400-217708-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-217708-5	OXY WELL	Total/NA	Water	SM 2540C	
400-217708-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-572204/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-572204/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-217708-2 DU	ACW-14	Total/NA	Water	SM 2540C	

Analysis Batch: 573184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-217708-1	ACW-13	Total/NA	Water	120.1	
400-217708-2	ACW-14	Total/NA	Water	120.1	
400-217708-3	ACW-15	Total/NA	Water	120.1	
400-217708-4	DOOM WELL	Total/NA	Water	120.1	
400-217708-5	OXY WELL	Total/NA	Water	120.1	
400-217708-6	DUP-01	Total/NA	Water	120.1	
MB 400-573184/1	Method Blank	Total/NA	Water	120.1	
LCS 400-573184/2	Lab Control Sample	Total/NA	Water	120.1	
400-217708-1 DU	ACW-13	Total/NA	Water	120.1	

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-572773/4

Matrix: Water

Analysis Batch: 572773

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			04/06/22 12:37	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/06/22 12:37	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/22 12:37	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/22 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		04/06/22 12:37	1
Dibromofluoromethane	106		75 - 126		04/06/22 12:37	1
Toluene-d8 (Surr)	81		64 - 132		04/06/22 12:37	1

Lab Sample ID: LCS 400-572773/1002

Matrix: Water

Analysis Batch: 572773

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	0.0619		mg/L		124	70 - 130
Toluene	0.0500	0.0505		mg/L		101	70 - 130
Ethylbenzene	0.0500	0.0465		mg/L		93	70 - 130
Xylenes, Total	0.100	0.0956		mg/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		72 - 119
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	85		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-572518/5

Matrix: Water

Analysis Batch: 572518

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			04/04/22 11:22	1

Lab Sample ID: LCS 400-572518/6

Matrix: Water

Analysis Batch: 572518

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	9.76		mg/L		98	90 - 110

Lab Sample ID: LCSD 400-572518/7

Matrix: Water

Analysis Batch: 572518

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	9.95		mg/L		99	90 - 110	2	15

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 400-572520/37

Matrix: Water

Analysis Batch: 572520

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			04/04/22 22:28	1

Lab Sample ID: LCS 400-572520/38

Matrix: Water

Analysis Batch: 572520

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	9.90		mg/L		99	90 - 110

Lab Sample ID: LCSD 400-572520/39

Matrix: Water

Analysis Batch: 572520

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	9.93		mg/L		99	90 - 110	0	15

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-572647/1-A

Matrix: Water

Analysis Batch: 572785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 572647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92	^+	2.0	0.92	mg/L		04/05/22 11:56	04/06/22 05:49	1

Lab Sample ID: LCS 400-572647/2-A

Matrix: Water

Analysis Batch: 573141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 572647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	9.95		mg/L		99	80 - 120

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-573184/1

Matrix: Water

Analysis Batch: 573184

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			04/08/22 16:09	1

Lab Sample ID: LCS 400-573184/2

Matrix: Water

Analysis Batch: 573184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	10.1		umhos/cm		101	98 - 102

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: 400-217708-1 DU

Client Sample ID: ACW-13

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 573184

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	5100		5040		umhos/cm		0.2	2

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

Lab Sample ID: MB 400-572203/1

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 572203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/31/22 16:32	1

Lab Sample ID: LCS 400-572203/2

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 572203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	264		mg/L		90	78 - 122

Lab Sample ID: MB 400-572204/1

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 572204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/31/22 16:33	1

Lab Sample ID: LCS 400-572204/2

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 572204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	280		mg/L		96	78 - 122

Lab Sample ID: 400-217708-2 DU

Client Sample ID: ACW-14

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 572204

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	790		742	F3	mg/L		7	5

Eurofins Pensacola

Chain of Custody Record



Environment Testing
America

Client Information		Sampler: Scott Wade + Hm1 Team		Lab PM: Eheyane Whitmore		Carrier Tracking No(s): 1482 3809 8212		COC No: 400-104868-37338.1			
Client Contact: Mr. Scott Wade Gilmore		Phone: 832-347-4521		E-Mail:		State of Origin: NM		Page: Page 1 of 1			
Company: Hydrologic-Monitoring A/E/C/M		PWSID:		Due Date Requested:		Analysis Requested		Job #:			
Address: 4054 W Belt Rd 19219 Katy Frwy, Ste 100		TAT Requested (days):		Compliance Project: ☐ Yes ☐ No		PO #:		Preservation Codes:			
City: Houston		State, Zip: TX, 77043 77094		Phone: 713-520-9987 (Tel) 713-520-6807 (Fax)		Email: w.gilmore@aecon.com		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:			
Project Name: Jai #4 Gas Plant		Project #: 40012867		SSOW#:		Field Filtered Sample No. or No.		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 Z - other (specify)			
Site: 10222		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)			
Sample Identification		ACW-13		3/29/22		925		G		Water	
ACW-14		825		1025		905		855		1000	
Doom Well		OXY Well		Dip-01		Trip Blank-01					
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:		Relinquished by:	
Date/Time: 3/29/22 1140		Date/Time: 3/29/22 1140		Date/Time: 3/29/22 1140		Date/Time: 3/29/22 1140		Date/Time: 3/29/22 1140		Date/Time: 3/29/22 1140	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seals Intact: ☐ Yes ☐ No		Custody Seals Intact: ☐ Yes ☐ No		Custody Seals Intact: ☐ Yes ☐ No		Custody Seals Intact: ☐ Yes ☐ No		Custody Seals Intact: ☐ Yes ☐ No	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-217708-1

Login Number: 217708

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	0.0°C IR9
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

Job ID: 400-217708-1

Project/Site: Jal #4 Gas Plant 1Q22

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22



Data Usability Summary

Date: February 24, 2023

To: Wally Gilmore, AECOM

CC: Robert Jones, AECOM

From: Ruth Parks, AECOM

Subject: Data Usability Summary for Review of 2022 Second Quarter Groundwater Data
Laboratory Report Number 400-222216
Jal #4 Gas Plant, Jal, New Mexico

Data Usability Summary

Data from Eurofins in Pensacola, Florida were reviewed for the analysis of samples collected June 29, 2022 at the Jal #4 Gas Plant in Jal, New Mexico.

Data were reviewed for conformance to the requirements of *SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods* (SW-846). The purpose of this sampling event was to provide current data on concentrations of potential chemicals of concern (COCs) in groundwater for the Jal #4 Gas Plant property.

Samples were analyzed using:

- SW-846 6010B – Inductively Coupled Plasma – Atomic Emission Spectrometry,
- SW-846 8260B - Volatile Organic Compounds by Gas Chromatography-Mass Spectrometry (GC/MS),
- EPA Method 300.0 – Determination of Inorganic Anions by Ion Chromatograph,
- EPA Method 120.1 – Conductivity, Specific Conductance, and
- Standard Method 2540 C – Total Dissolved Solids (Dried at 180 C).

Data were reviewed and the results are discussed in this Data Usability Summary (DUS). The reportable data, quality control results, sample receipt checklist and chain-of-custody (C-O-C) records were examined for laboratory report 400-222216.

Introduction

Groundwater samples, a field duplicate, and a trip blank were analyzed for site-specific metals, volatile organic compounds (VOCs), inorganic anions, specific conductivity, and total dissolved solids (TDS) as requested on the chain-of-custodies (C-O-C). **Table B-1** lists the sample identifications cross-referenced to the laboratory identifications.

Analytical Results

Qualified data listed in Table B-2.



Data Usability Summary

Preservation and Holding Times

All samples were evaluated for agreement with the chain-of-custody (C-O-C). Sample bottles were received in good condition and within the temperature acceptance criteria of $\leq 6^{\circ}\text{C}$. Samples were prepared and analyzed within the holding times specified in SW-846 Table 2-40.

Calibrations

Calibration data were not submitted in this package and are not part of the standard deliverable.

Blanks

Target analytes were not detected in trip or method blanks.

Surrogate Recoveries

Samples with surrogate recoveries (%R) outside the laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**.

Laboratory Control Samples

Samples with laboratory control sample (LCS) recoveries (%R) outside of laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**. If a laboratory control sampled duplicate (LCSD) was analyzed, data with duplicate precision (as relative percent difference [RPD]) outside of laboratory acceptance criteria is qualified as “J” for LCS precision and listed in **Table B-2**.

Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Non-project sample data were not evaluated. Data with MS/MSD recoveries outside of laboratory specifications are qualified as “JL” for detections and “UJ” for non-detects when below specifications and “JH” when above specifications and listed in **Table B-2**. Sample data with MS/MSD precision (RPD) outside of the laboratory acceptance criteria are qualified as “J” for MS/MSD precision and listed in **Table B-2**.

Field and Laboratory Precision

Precision results for replicate and duplicate samples are summarized in **Table B-3**. Duplicate precision was not calculated for analytes which were reported as non-detect (U) or qualified as “U” in **Table B-2**. Analytes with non-detect results for both replicate and duplicate were not listed in the table. Field sample and sample duplicate analytes with RPD results outside of the project quality acceptance criteria of $\leq 30\%$ RPD are qualified as estimated “J” and listed in **Table B-2**.

Summary

Groundwater analytical data are usable for the purpose of determining concentrations of metals, VOCs, inorganics anions, specific conductivity, and TDS in samples.



Data Usability Summary

Tables

Table B-1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Comment
ACW-13	400-222216-1	MS/MSD
ACW-14	400-222216-2	
ACW-15	400-222216-3	
DOOM WELL	400-222216-4	MS/MSD
OXY WELL	400-222216-5	
DUP-01	400-222216-6	Duplicate of ACW-13
TRIP BLANK-01	400-222216-7	Trip Blank

Table B-2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
ACW-13	Ethylbenzene	UJ	Low MS/MSD Recovery
ACW-13	Xylenes	UJ	Low MS/MSD Recovery
ACW-13	TDS	J	Field Precision RPD
DUP-01	TDS	J	Field Precision RPD
J – Estimated data; the sample concentration is approximated.			

Table B-3. Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD	Qualified
ACW-13 / DUP-01	Chloride	1500	1500	0.0	A
	Sodium	220	210	4.7	A
	Specific Conductance	5000	5100	2.0	A
	TDS	2200	4900	76.1	J
RPD = ((SR-DR)*200)/(SR+DR) A – Acceptable data A* - Acceptable data since absolute difference is <2X MQL J – Estimated data due to inability to meet QC criteria					



Environment Testing
America

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-222216-1
Client Project/Site: Jal #4 Gas Plant 2Q22

For:
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Attn: Mr. Wallace Gilmore

Authorized for release by:
7/12/2022 5:11:04 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Laboratory Job ID: 400-222216-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Job ID: 400-222216-1

Job ID: 400-222216-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-222216-1

GC/MS VOA

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-584056 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-222216-1), ACW-14 (400-222216-2), ACW-15 (400-222216-3), OXY WELL (400-222216-5) and DUP-01 (400-222216-6). Elevated reporting limits (RLs) are provided.

Detection Summary

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-222216-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1500		40	4.8	mg/L	40		300.0	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	5000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2200		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-222216-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		5.0	0.60	mg/L	5		300.0	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	650		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-222216-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	240		5.0	0.60	mg/L	5		300.0	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	760		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-222216-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34		1.0	0.12	mg/L	1		300.0	Total/NA
Sodium	69		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	660		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	480		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL

Lab Sample ID: 400-222216-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00027	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	250		10	1.2	mg/L	10		300.0	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010B	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: 400-222216-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1500		40	4.8	mg/L	40		300.0	Total/NA
Sodium	210		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	5100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4900		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-222216-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
6010B	Metals (ICP)	SW846	TAL PEN
120.1	Conductivity, Specific Conductance	MCAWW	TAL PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PEN
3010A	Preparation, Total Metals	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Eurofins Pensacola

Sample Summary

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-222216-1	ACW-13	Water	06/29/22 10:20	06/30/22 08:57
400-222216-2	ACW-14	Water	06/29/22 08:35	06/30/22 08:57
400-222216-3	ACW-15	Water	06/29/22 09:25	06/30/22 08:57
400-222216-4	DOOM WELL	Water	06/29/22 09:10	06/30/22 08:57
400-222216-5	OXY WELL	Water	06/29/22 08:25	06/30/22 08:57
400-222216-6	DUP-01	Water	06/29/22 09:00	06/30/22 08:57
400-222216-7	TRIP BLANK-01	Water	06/29/22 12:00	06/30/22 08:57

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-222216-1

Date Collected: 06/29/22 10:20

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 09:51	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 09:51	1
Ethylbenzene	<0.00050	F1	0.0010	0.00050	mg/L			07/08/22 09:51	1
Xylenes, Total	<0.0016	F1	0.010	0.0016	mg/L			07/08/22 09:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119					07/08/22 09:51	1
Dibromofluoromethane	108		75 - 126					07/08/22 09:51	1
Toluene-d8 (Surr)	96		64 - 132					07/08/22 09:51	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		40	4.8	mg/L			07/05/22 14:47	40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	5000		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	2200		25	25	mg/L			07/01/22 15:49	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: ACW-14

Lab Sample ID: 400-222216-2

Date Collected: 06/29/22 08:35

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 14:27	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 14:27	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 14:27	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 14:27	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119					07/08/22 14:27	1
Dibromofluoromethane	106		75 - 126					07/08/22 14:27	1
Toluene-d8 (Surr)	94		64 - 132					07/08/22 14:27	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.0	0.60	mg/L			07/01/22 17:59	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1100		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	650		5.0	5.0	mg/L			07/01/22 15:49	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: ACW-15

Lab Sample ID: 400-222216-3

Date Collected: 06/29/22 09:25

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 14:52	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 14:52	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 14:52	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 14:52	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119					07/08/22 14:52	1
Dibromofluoromethane	108		75 - 126					07/08/22 14:52	1
Toluene-d8 (Surr)	92		64 - 132					07/08/22 14:52	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.0	0.60	mg/L			07/01/22 18:22	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1200		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	760		10	10	mg/L			07/01/22 15:49	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: DOOM WELL

Lab Sample ID: 400-222216-4

Date Collected: 06/29/22 09:10

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 15:16	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 15:16	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 15:16	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 15:16	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 119					07/08/22 15:16	1
Dibromofluoromethane	108		75 - 126					07/08/22 15:16	1
Toluene-d8 (Surr)	92		64 - 132					07/08/22 15:16	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34		1.0	0.12	mg/L			07/01/22 16:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	69		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	660		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	480		5.0	5.0	mg/L			07/01/22 15:49	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: OXY WELL

Lab Sample ID: 400-222216-5

Date Collected: 06/29/22 08:25

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00027	J	0.0010	0.00013	mg/L			07/08/22 15:41	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 15:41	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 15:41	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 15:41	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					07/08/22 15:41	1
Dibromofluoromethane	113		75 - 126					07/08/22 15:41	1
Toluene-d8 (Surr)	92		64 - 132					07/08/22 15:41	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10	1.2	mg/L			07/01/22 18:44	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	110		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1500		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	880		10	10	mg/L			07/01/22 15:49	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: DUP-01

Lab Sample ID: 400-222216-6

Date Collected: 06/29/22 09:00

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 16:06	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 16:06	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 16:06	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 16:06	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 119					07/08/22 16:06	1
Dibromofluoromethane	107		75 - 126					07/08/22 16:06	1
Toluene-d8 (Surr)	93		64 - 132					07/08/22 16:06	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		40	4.8	mg/L			07/05/22 15:09	40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	210		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	5100		5.0	5.0	umhos/cm			07/07/22 13:10	1
Total Dissolved Solids	4900		50	50	mg/L			07/01/22 15:49	1

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Client Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-222216-7

Date Collected: 06/29/22 12:00

Matrix: Water

Date Received: 06/30/22 08:57

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			07/08/22 09:26	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 09:26	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 09:26	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 119		07/08/22 09:26	1
Dibromofluoromethane	109		75 - 126		07/08/22 09:26	1
Toluene-d8 (Surr)	93		64 - 132		07/08/22 09:26	1

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Definitions/Glossary

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Qualifiers

GC/MS VOA

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Job ID: 400-222216-1

Method: 8260B - Volatile Organic Compounds (GC/MS)**Matrix: Water****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-119)	DBFM (75-126)	TOL (64-132)
400-222216-1	ACW-13	99	108	96
400-222216-1 MS	ACW-13	103	106	90
400-222216-1 MSD	ACW-13	102	106	92
400-222216-2	ACW-14	99	106	94
400-222216-3	ACW-15	99	108	92
400-222216-4	DOOM WELL	98	108	92
400-222216-5	OXY WELL	100	113	92
400-222216-6	DUP-01	98	107	93
400-222216-7	TRIP BLANK-01	98	109	93
LCS 400-584056/1002	Lab Control Sample	103	105	93
MB 400-584056/4	Method Blank	97	112	94

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Job ID: 400-222216-1

Client Sample ID: ACW-13

Lab Sample ID: 400-222216-1

Date Collected: 06/29/22 10:20

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 09:51	WPD	TAL PEN
Total/NA	Analysis	300.0		40			583643	07/05/22 14:47	JAW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583911	07/06/22 15:18	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

Client Sample ID: ACW-14

Lab Sample ID: 400-222216-2

Date Collected: 06/29/22 08:35

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 14:27	WPD	TAL PEN
Total/NA	Analysis	300.0		5			583396	07/01/22 17:59	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:32	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

Client Sample ID: ACW-15

Lab Sample ID: 400-222216-3

Date Collected: 06/29/22 09:25

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 14:52	WPD	TAL PEN
Total/NA	Analysis	300.0		5			583396	07/01/22 18:22	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:36	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-222216-4

Date Collected: 06/29/22 09:10

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 15:16	WPD	TAL PEN
Total/NA	Analysis	300.0		1			583396	07/01/22 16:13	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:40	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Job ID: 400-222216-1

Client Sample ID: OXY WELL

Lab Sample ID: 400-222216-5

Date Collected: 06/29/22 08:25

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 15:41	WPD	TAL PEN
Total/NA	Analysis	300.0		10			583396	07/01/22 18:44	JAS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:51	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-222216-6

Date Collected: 06/29/22 09:00

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 16:06	WPD	TAL PEN
Total/NA	Analysis	300.0		40			583643	07/05/22 15:09	JAW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:55	LSS	TAL PEN
Total/NA	Analysis	120.1		1			584004	07/07/22 13:10	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	583487	07/01/22 15:49	VB	TAL PEN

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-222216-7

Date Collected: 06/29/22 12:00

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 09:26	WPD	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-583396/18

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	300.0		1			583396	07/01/22 15:50	JAS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-583487/1

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	583487	07/01/22 15:49	VB	TAL PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: Method Blank

Lab Sample ID: MB 400-583637/1-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	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583911	07/06/22 14:33	LSS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:14	LSS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-583643/5

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	300.0		1			583643	07/05/22 10:38	JAW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-584004/1

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			584004	07/07/22 13:10	CAC	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-584056/4

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	8260B		1	5 mL	5 mL	584056	07/08/22 08:37	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-583396/19

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	300.0		1			583396	07/01/22 15:04	JAS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-583487/2

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	583487	07/01/22 15:49	VB	TAL PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-583637/2-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	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583911	07/06/22 14:45	LSS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	583637	07/06/22 08:45	KWN	TAL PEN
Total/NA	Analysis	6010B		1			583926	07/06/22 19:18	LSS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-583643/6

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	300.0		1			583643	07/05/22 11:01	JAW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-584004/2

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			584004	07/07/22 13:10	CAC	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-584056/1002

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	8260B		1	5 mL	5 mL	584056	07/08/22 07:41	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-583396/20

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	300.0		1			583396	07/01/22 15:27	JAS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-583643/7

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	300.0		1			583643	07/05/22 11:24	JAW	TAL PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-222216-1 MS

Date Collected: 06/29/22 10:20

Matrix: Water

Date Received: 06/30/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 13:14	WPD	TAL PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Client Sample ID: ACW-13**Lab Sample ID: 400-222216-1 MSD****Date Collected: 06/29/22 10:20****Matrix: Water****Date Received: 06/30/22 08:57**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	584056	07/08/22 13:39	WPD	TAL PEN

Client Sample ID: DOOM WELL**Lab Sample ID: 400-222216-4 MS****Date Collected: 06/29/22 09:10****Matrix: Water****Date Received: 06/30/22 08:57**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			583396	07/01/22 16:50	JAS	TAL PEN

Client Sample ID: DOOM WELL**Lab Sample ID: 400-222216-4 MSD****Date Collected: 06/29/22 09:10****Matrix: Water****Date Received: 06/30/22 08:57**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			583396	07/01/22 17:13	JAS	TAL PEN

Client Sample ID: ACW-13**Lab Sample ID: 400-222216-1 DU****Date Collected: 06/29/22 10:20****Matrix: Water****Date Received: 06/30/22 08:57**

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			584004	07/07/22 13:10	CAC	TAL PEN

Laboratory References:

TAL 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 2Q22

Job ID: 400-222216-1

GC/MS VOA

Analysis Batch: 584056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	8260B	
400-222216-2	ACW-14	Total/NA	Water	8260B	
400-222216-3	ACW-15	Total/NA	Water	8260B	
400-222216-4	DOOM WELL	Total/NA	Water	8260B	
400-222216-5	OXY WELL	Total/NA	Water	8260B	
400-222216-6	DUP-01	Total/NA	Water	8260B	
400-222216-7	TRIP BLANK-01	Total/NA	Water	8260B	
MB 400-584056/4	Method Blank	Total/NA	Water	8260B	
LCS 400-584056/1002	Lab Control Sample	Total/NA	Water	8260B	
400-222216-1 MS	ACW-13	Total/NA	Water	8260B	
400-222216-1 MSD	ACW-13	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 583396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-2	ACW-14	Total/NA	Water	300.0	
400-222216-3	ACW-15	Total/NA	Water	300.0	
400-222216-4	DOOM WELL	Total/NA	Water	300.0	
400-222216-5	OXY WELL	Total/NA	Water	300.0	
MB 400-583396/18	Method Blank	Total/NA	Water	300.0	
LCS 400-583396/19	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-583396/20	Lab Control Sample Dup	Total/NA	Water	300.0	
400-222216-4 MS	DOOM WELL	Total/NA	Water	300.0	
400-222216-4 MSD	DOOM WELL	Total/NA	Water	300.0	

Analysis Batch: 583643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	300.0	
400-222216-6	DUP-01	Total/NA	Water	300.0	
MB 400-583643/5	Method Blank	Total/NA	Water	300.0	
LCS 400-583643/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-583643/7	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 583637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	3010A	
400-222216-2	ACW-14	Total/NA	Water	3010A	
400-222216-3	ACW-15	Total/NA	Water	3010A	
400-222216-4	DOOM WELL	Total/NA	Water	3010A	
400-222216-5	OXY WELL	Total/NA	Water	3010A	
400-222216-6	DUP-01	Total/NA	Water	3010A	
MB 400-583637/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-583637/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 583911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	6010B	583637
MB 400-583637/1-A	Method Blank	Total/NA	Water	6010B	583637
LCS 400-583637/2-A	Lab Control Sample	Total/NA	Water	6010B	583637

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Metals

Analysis Batch: 583926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-2	ACW-14	Total/NA	Water	6010B	583637
400-222216-3	ACW-15	Total/NA	Water	6010B	583637
400-222216-4	DOOM WELL	Total/NA	Water	6010B	583637
400-222216-5	OXY WELL	Total/NA	Water	6010B	583637
400-222216-6	DUP-01	Total/NA	Water	6010B	583637
MB 400-583637/1-A	Method Blank	Total/NA	Water	6010B	583637
LCS 400-583637/2-A	Lab Control Sample	Total/NA	Water	6010B	583637

General Chemistry

Analysis Batch: 583487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	SM 2540C	
400-222216-2	ACW-14	Total/NA	Water	SM 2540C	
400-222216-3	ACW-15	Total/NA	Water	SM 2540C	
400-222216-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-222216-5	OXY WELL	Total/NA	Water	SM 2540C	
400-222216-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-583487/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-583487/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 584004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-222216-1	ACW-13	Total/NA	Water	120.1	
400-222216-2	ACW-14	Total/NA	Water	120.1	
400-222216-3	ACW-15	Total/NA	Water	120.1	
400-222216-4	DOOM WELL	Total/NA	Water	120.1	
400-222216-5	OXY WELL	Total/NA	Water	120.1	
400-222216-6	DUP-01	Total/NA	Water	120.1	
MB 400-584004/1	Method Blank	Total/NA	Water	120.1	
LCS 400-584004/2	Lab Control Sample	Total/NA	Water	120.1	
400-222216-1 DU	ACW-13	Total/NA	Water	120.1	

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q22

Job ID: 400-222216-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-584056/4

Matrix: Water

Analysis Batch: 584056

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			07/08/22 08:37	1
Toluene	<0.00041		0.0010	0.00041	mg/L			07/08/22 08:37	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			07/08/22 08:37	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			07/08/22 08:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		07/08/22 08:37	1
Dibromofluoromethane	112		75 - 126		07/08/22 08:37	1
Toluene-d8 (Surr)	94		64 - 132		07/08/22 08:37	1

Lab Sample ID: LCS 400-584056/1002

Matrix: Water

Analysis Batch: 584056

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	0.0449		mg/L		90	70 - 130
Toluene	0.0500	0.0463		mg/L		93	70 - 130
Ethylbenzene	0.0500	0.0470		mg/L		94	70 - 130
Xylenes, Total	0.100	0.0966		mg/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		72 - 119
Dibromofluoromethane	105		75 - 126
Toluene-d8 (Surr)	93		64 - 132

Lab Sample ID: 400-222216-1 MS

Matrix: Water

Analysis Batch: 584056

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	0.0389		mg/L		78	56 - 142
Toluene	<0.00041		0.0500	0.0342		mg/L		68	65 - 130
Ethylbenzene	<0.00050	F1	0.0500	0.0290		mg/L		58	58 - 131
Xylenes, Total	<0.0016	F1	0.100	0.0584	F1	mg/L		58	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	103		72 - 119
Dibromofluoromethane	106		75 - 126
Toluene-d8 (Surr)	90		64 - 132

Lab Sample ID: 400-222216-1 MSD

Matrix: Water

Analysis Batch: 584056

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	0.0379		mg/L		76	56 - 142	3	30
Toluene	<0.00041		0.0500	0.0335		mg/L		67	65 - 130	2	30
Ethylbenzene	<0.00050	F1	0.0500	0.0279	F1	mg/L		56	58 - 131	4	30

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QC Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

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

Lab Sample ID: 400-222216-1 MSD

Client Sample ID: ACW-13

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 584056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<0.0016	F1	0.100	0.0556	F1	mg/L		56	59 - 130	5	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	102		72 - 119								
Dibromofluoromethane	106		75 - 126								
Toluene-d8 (Surr)	92		64 - 132								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-583396/18

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			07/01/22 15:50	1

Lab Sample ID: LCS 400-583396/19

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583396

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 400-583396/20

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.1		mg/L		101	90 - 110	0	15

Lab Sample ID: 400-222216-4 MS

Client Sample ID: DOOM WELL

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	34		10.0	42.7		mg/L		85	80 - 120		

Lab Sample ID: 400-222216-4 MSD

Client Sample ID: DOOM WELL

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	34		10.0	42.5		mg/L		82	80 - 120	1	20

Lab Sample ID: MB 400-583643/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 583643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			07/05/22 10:38	1

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QC Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 400-583643/6

Matrix: Water

Analysis Batch: 583643

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	9.87		mg/L		99	90 - 110

Lab Sample ID: LCSD 400-583643/7

Matrix: Water

Analysis Batch: 583643

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	9.90		mg/L		99	90 - 110	0	15

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-583637/1-A

Matrix: Water

Analysis Batch: 583911

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 583637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 14:33	1

Lab Sample ID: MB 400-583637/1-A

Matrix: Water

Analysis Batch: 583926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 583637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		07/06/22 08:45	07/06/22 19:14	1

Lab Sample ID: LCS 400-583637/2-A

Matrix: Water

Analysis Batch: 583911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 583637

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 400-583637/2-A

Matrix: Water

Analysis Batch: 583926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 583637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.8		mg/L		108	80 - 120

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-584004/1

Matrix: Water

Analysis Batch: 584004

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			07/07/22 13:10	1

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QC Sample Results

Client: AECOM

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 400-584004/2

Matrix: Water

Analysis Batch: 584004

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	9.97		umhos/cm		100	98 - 102

Lab Sample ID: 400-222216-1 DU

Matrix: Water

Analysis Batch: 584004

Client Sample ID: ACW-13

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	5000		5060		umhos/cm		0.4	2

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

Lab Sample ID: MB 400-583487/1

Matrix: Water

Analysis Batch: 583487

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			07/01/22 15:49	1

Lab Sample ID: LCS 400-583487/2

Matrix: Water

Analysis Batch: 583487

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	340		mg/L		116	78 - 122

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3355 Mclemore Drive
Pensacola, FL 32514

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

Chain of Custody Record

Environment Testing
America

Client Information Client Contact: Mr. Scott Wade Gilmore Company: Hydrologic-Monitoring ALCOM Address: 1664 W-Belt N 19219 Katy Freeway, Ste 100 City: Houston State, Zip: TX, 77049 Phone: 77094 Email: wade@gilmore.com Project Name: Jai #4 Gas Plant 1Q22- 2Q22 Site:		Sampler: Scott Wade + HMI Team Lab PM: Whitmire, Cheyenne R Phone: 832-347-4521 E-Mail: Cheyenne.Whitmire@Eurofinset.com PWSID:		Carrier Tracking No(s): State of Origin: NM Page 1 of 1 Job #:		COC No: 400-109141-36074.1 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 - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Due Date Requested: TAT Requested (days): Compliance Project: Δ Yes Δ No PO #: WD801914 WO #: Project #: 40012867 SSOW #:		Analysis Requested 120.1 - Specific Conductance 2540C - TDS 8260B - BTEX 6010B - Sodium 9056_ORGFM_28D - Chloride Perform MSM/MSD (Yes or No) Field Filtered Sample (Yes or No)		Total Number of Containers Special Instructions/Note:		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 - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
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:		Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) Preservation Code:		Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) Preservation Code:		Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) Preservation Code:	
ACW-13		6/29/22		1020		G	
ACW-14		835		925		G	
ACW-15		910		805		G	
Down well		900		900		G	
Oxy well		---		---		G	
Dup-01		---		---		G	
TRIP BLANK -01		---		---		G	
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		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date: 6/29/22 Time: 1300		Date: 6/30/22 Time: 857		Date: 6/30/22 Time: 857	
Relinquished by:		Date: 6/29/22 Time: 1300		Date: 6/30/22 Time: 857		Date: 6/30/22 Time: 857	
Relinquished by:		Date: 6/29/22 Time: 1300		Date: 6/30/22 Time: 857		Date: 6/30/22 Time: 857	
Relinquished by:		Date: 6/29/22 Time: 1300		Date: 6/30/22 Time: 857		Date: 6/30/22 Time: 857	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 11.0°C MR9		Company: EES Company: EES Company: EES	

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-222216-1

Login Number: 222216

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR-9
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").	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

Job ID: 400-222216-1

Project/Site: Jal #4 Gas Plant 2Q22

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

Eurofins Pensacola



Data Usability Summary

Date: February 24, 2023

To: Wally Gilmore, AECOM

CC: Robert Jones, AECOM

From: Ruth Parks, AECOM

Subject: Data Usability Summary for Review of 2022 Third Quarter Groundwater Data
Laboratory Report Number 400-226228
Jal #4 Gas Plant, Jal, New Mexico

Data Usability Summary

Data from Eurofins in Pensacola, Florida were reviewed for the analysis of samples collected September 20, 2022 at the Jal #4 Gas Plant in Jal, New Mexico.

Data were reviewed for conformance to the requirements of *SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods* (SW-846). The purpose of this sampling event was to provide current data on concentrations of potential chemicals of concern (COCs) in groundwater for the Jal #4 Gas Plant property.

Samples were analyzed using:

- SW-846 6010B – Inductively Coupled Plasma – Atomic Emission Spectrometry,
- SW-846 8260B - Volatile Organic Compounds by Gas Chromatography-Mass Spectrometry (GC/MS),
- EPA Method 300.0 – Determination of Inorganic Anions by Ion Chromatograph,
- EPA Method 120.1 – Conductivity, Specific Conductance,
- Standard Method 2540 C – Total Dissolved Solids (Dried at 180 C), and
- SW-846 1010A - Flashpoint.

Data were reviewed and the results are discussed in this Data Usability Summary (DUS). The reportable data, quality control results, sample receipt checklist and chain-of-custody (C-O-C) records were examined for laboratory report 400-226228.

Introduction

Groundwater samples, a field duplicate, and a trip blank were analyzed for site-specific metals, volatile organic compounds (VOCs), inorganic anions, specific conductivity, total dissolved solids (TDS), and flashpoint as requested on the chain-of-custodies (C-O-C). **Table B-1** lists the sample identifications cross-referenced to the laboratory identifications.

Analytical Results

No data were qualified.



Data Usability Summary

Preservation and Holding Times

All samples were evaluated for agreement with the chain-of-custody (C-O-C). Sample bottles were received in good condition and within the temperature acceptance criteria of $\leq 6^{\circ}\text{C}$. Samples were prepared and analyzed within the holding times specified in SW-846 Table 2-40.

Calibrations

Calibration data were not submitted in this package and are not part of the standard deliverable.

Blanks

Target analytes were not detected in trip or method blanks.

Surrogate Recoveries

Samples with surrogate recoveries (%R) outside the laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**.

Laboratory Control Samples

Samples with laboratory control sample (LCS) recoveries (%R) outside of laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**. If a laboratory control sampled duplicate (LCSD) was analyzed, data with duplicate precision (as relative percent difference [RPD]) outside of laboratory acceptance criteria is qualified as “J” for LCS precision and listed in **Table B-2**.

Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Non-project sample data were not evaluated. Data with MS/MSD recoveries outside of laboratory specifications are qualified as “JL” for detections and “UJ” for non-detects when below specifications and “JH” when above specifications and listed in **Table B-2**. Sample data with MS/MSD precision (RPD) outside of the laboratory acceptance criteria are qualified as “J” for MS/MSD precision and listed in **Table B-2**.

Field and Laboratory Precision

Precision results for replicate and duplicate samples are summarized in **Table B-3**. Duplicate precision was not calculated for analytes which were reported as non-detect (U) or qualified as “U” in **Table B-2**. Analytes with non-detect results for both replicate and duplicate were not listed in the table. Field sample and sample duplicate analytes with RPD results outside of the project quality acceptance criteria of $\leq 30\%$ RPD are qualified as estimated “J” and listed in **Table B-2**.

Summary

Groundwater analytical data are usable for the purpose of determining concentrations of metals, VOCs, inorganics anions, specific conductivity, TDS, and flashpoint in samples.



Data Usability Summary

Tables

Table B-1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Comment
ACW-13	400-226228-1	MS/MSD
ACW-14	400-226228-2	
ACW-15	400-226228-3	
DOOM WELL	400-226228-4	MS/MSD
OXY WELL	400-226228-5	
DUP-01	400-226228-6	Duplicate of ACW-13
TRIP BLANK-01	400-226228-7	Trip Blank
ACW-24	400-226228-8	
ACW-25	400-226228-9	

Table B-2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
*No data qualified.			

Table B-3. Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD	Qualified
ACW-13 / DUP-01	Chloride	1800	1800	0.0	A
	Sodium	230	230	0.0	A
	Specific Conductance	4900	4900	0.0	A
	TDS	3600	4400	20.0	A
RPD = ((SR-DR)*200)/(SR+DR) A – Acceptable data A* - Acceptable data since absolute difference is <2X MQL J – Estimated data due to inability to meet QC criteria					



Environment Testing America

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-226228-1
Client Project/Site: Jal #4 Gas Plant 3Q22

For:
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Attn: Mr. Wallace Gilmore

Authorized for release by:
10/5/2022 3:19:33 PM
Isabel Enfinger, Project Manager I
(850)471-6237
isabel.enfinger@et.eurofinsus.com

Designee for
Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Laboratory Job ID: 400-226228-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Job ID: 400-226228-1

Laboratory: Eurofins Pensacola**Narrative****Job Narrative
400-226228-1****Comments**

No additional comments.

Receipt

The samples were received on 9/21/2022 9:07 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

GC/MS VOA

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

HPLC/IC

Method 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-594221 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-226228-1), ACW-15 (400-226228-3) and DUP-01 (400-226228-6). 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

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

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-226228-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		100	12	mg/L	100		9056	Total/NA
Sodium	230		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4900		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3600		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-226228-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	200		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	130		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	730		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-226228-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	260		10	1.2	mg/L	10		9056	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	800		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4

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	73		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	580		5.0	5.0	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: 400-226228-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00046	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	240		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1000		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-226228-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		100	12	mg/L	100		9056	Total/NA
Sodium	230		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4900		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4400		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-226228-7

No Detections.

Client Sample ID: ACW-24

Lab Sample ID: 400-226228-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>200		60.0	60.0	Degrees F	1		1010A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: ACW-25

Lab Sample ID: 400-226228-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>200		60.0	60.0	Degrees F	1		1010A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
9056	Anions, Ion Chromatography	SW846	EET PEN
6010B	Metals (ICP)	SW846	EET PEN
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET PEN
120.1	Conductivity, Specific Conductance	MCAWW	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3010A	Preparation, Total Metals	SW846	EET PEN
5030B	Purge and Trap	SW846	EET PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Eurofins Pensacola

Sample Summary

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-226228-1	ACW-13	Water	09/20/22 10:55	09/21/22 09:07
400-226228-2	ACW-14	Water	09/20/22 09:15	09/21/22 09:07
400-226228-3	ACW-15	Water	09/20/22 11:45	09/21/22 09:07
400-226228-4	DOOM WELL	Water	09/20/22 08:45	09/21/22 09:07
400-226228-5	OXY WELL	Water	09/20/22 08:15	09/21/22 09:07
400-226228-6	DUP-01	Water	09/20/22 10:00	09/21/22 09:07
400-226228-7	TRIP BLANK-01	Water	09/20/22 12:00	09/21/22 09:07
400-226228-8	ACW-24	Water	09/20/22 08:25	09/21/22 09:07
400-226228-9	ACW-25	Water	09/20/22 10:10	09/21/22 09:07

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-226228-1

Date Collected: 09/20/22 10:55

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 16:18	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 16:18	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 16:18	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 16:18	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 119					09/24/22 16:18	1
Dibromofluoromethane	99		75 - 126					09/24/22 16:18	1
Toluene-d8 (Surr)	102		64 - 132					09/24/22 16:18	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		100	12	mg/L			09/28/22 21:33	100

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	230		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	4900		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	3600		25	25	mg/L			09/22/22 13:58	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: ACW-14

Lab Sample ID: 400-226228-2

Date Collected: 09/20/22 09:15

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 16:39	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 16:39	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 16:39	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 16:39	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 119					09/24/22 16:39	1
Dibromofluoromethane	98		75 - 126					09/24/22 16:39	1
Toluene-d8 (Surr)	102		64 - 132					09/24/22 16:39	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		5.0	0.60	mg/L			09/28/22 05:02	5

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	130		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1000		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	730		5.0	5.0	mg/L			09/22/22 13:58	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: ACW-15

Lab Sample ID: 400-226228-3

Date Collected: 09/20/22 11:45

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 17:00	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 17:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 17:00	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 17:00	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 119					09/24/22 17:00	1
Dibromofluoromethane	98		75 - 126					09/24/22 17:00	1
Toluene-d8 (Surr)	101		64 - 132					09/24/22 17:00	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		10	1.2	mg/L			09/28/22 22:41	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1200		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	800		5.0	5.0	mg/L			09/22/22 13:58	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4

Date Collected: 09/20/22 08:45

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 17:20	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 17:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 17:20	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 17:20	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 119					09/24/22 17:20	1
Dibromofluoromethane	99		75 - 126					09/24/22 17:20	1
Toluene-d8 (Surr)	100		64 - 132					09/24/22 17:20	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			09/28/22 08:09	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	73		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	580		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	420		5.0	5.0	mg/L			09/22/22 13:58	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: OXY WELL

Lab Sample ID: 400-226228-5

Date Collected: 09/20/22 08:15

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00046	J	0.0010	0.00013	mg/L			09/24/22 17:41	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 17:41	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 17:41	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 17:41	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					09/24/22 17:41	1
Dibromofluoromethane	102		75 - 126					09/24/22 17:41	1
Toluene-d8 (Surr)	101		64 - 132					09/24/22 17:41	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.0	0.60	mg/L			09/28/22 05:44	5

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	120		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1300		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	1000		10	10	mg/L			09/22/22 14:07	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: DUP-01

Lab Sample ID: 400-226228-6

Date Collected: 09/20/22 10:00

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 18:02	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 18:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 18:02	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 18:02	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					09/24/22 18:02	1
Dibromofluoromethane	103		75 - 126					09/24/22 18:02	1
Toluene-d8 (Surr)	100		64 - 132					09/24/22 18:02	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		100	12	mg/L			09/28/22 23:04	100

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	230		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 21:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	4900		5.0	5.0	umhos/cm			09/28/22 14:16	1
Total Dissolved Solids (SM 2540C)	4400		25	25	mg/L			09/22/22 13:58	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-226228-7

Date Collected: 09/20/22 12:00

Matrix: Water

Date Received: 09/21/22 09:07

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			09/24/22 15:57	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 15:57	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 15:57	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					09/24/22 15:57	1
Dibromofluoromethane	98		75 - 126					09/24/22 15:57	1
Toluene-d8 (Surr)	102		64 - 132					09/24/22 15:57	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: ACW-24
Date Collected: 09/20/22 08:25
Date Received: 09/21/22 09:07

Lab Sample ID: 400-226228-8
Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	>200		60.0	60.0	Degrees F			09/29/22 13:44	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: ACW-25
Date Collected: 09/20/22 10:10
Date Received: 09/21/22 09:07

Lab Sample ID: 400-226228-9
Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	>200		60.0	60.0	Degrees F			09/29/22 13:44	1

Definitions/Glossary

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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

Surrogate Summary

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Method: 8260B - Volatile Organic Compounds (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)
400-226228-1	ACW-13	110	99	102
400-226228-2	ACW-14	109	98	102
400-226228-3	ACW-15	110	98	101
400-226228-4	DOOM WELL	109	99	100
400-226228-5	OXY WELL	108	102	101
400-226228-6	DUP-01	111	103	100
400-226228-7	TRIP BLANK-01	108	98	102
LCS 400-593801/1002	Lab Control Sample	108	94	100
MB 400-593801/4	Method Blank	112	99	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-226228-1

Date Collected: 09/20/22 10:55

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 16:18	BPO	EET PEN
Total/NA	Analysis	9056		100	10 mL	10 mL	594221	09/28/22 21:33	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:10	LSS	EET PEN
Total/NA	Analysis	120.1		1			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: ACW-14

Lab Sample ID: 400-226228-2

Date Collected: 09/20/22 09:15

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 16:39	BPO	EET PEN
Total/NA	Analysis	9056		5	10 mL	10 mL	594076	09/28/22 05:02	JAW	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:22	LSS	EET PEN
Total/NA	Analysis	120.1		1			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: ACW-15

Lab Sample ID: 400-226228-3

Date Collected: 09/20/22 11:45

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 17:00	BPO	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	594221	09/28/22 22:41	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:26	LSS	EET PEN
Total/NA	Analysis	120.1		1			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4

Date Collected: 09/20/22 08:45

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 17:20	BPO	EET PEN
Total/NA	Analysis	9056		1	10 mL	10 mL	594076	09/28/22 08:09	JAW	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:30	LSS	EET PEN

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Lab Chronicle

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4

Date Collected: 09/20/22 08:45

Matrix: Water

Date Received: 09/21/22 09:07

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			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: OXY WELL

Lab Sample ID: 400-226228-5

Date Collected: 09/20/22 08:15

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 17:41	BPO	EET PEN
Total/NA	Analysis	9056		5	10 mL	10 mL	594076	09/28/22 05:44	JAW	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:34	LSS	EET PEN
Total/NA	Analysis	120.1		1			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	593548	09/22/22 14:07	VB	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-226228-6

Date Collected: 09/20/22 10:00

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 18:02	BPO	EET PEN
Total/NA	Analysis	9056		100	10 mL	10 mL	594221	09/28/22 23:04	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:38	LSS	EET PEN
Total/NA	Analysis	120.1		1			594269	09/28/22 14:16	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: TRIP BLANK-01

Lab Sample ID: 400-226228-7

Date Collected: 09/20/22 12:00

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	593801	09/24/22 15:57	BPO	EET PEN

Client Sample ID: ACW-24

Lab Sample ID: 400-226228-8

Date Collected: 09/20/22 08:25

Matrix: Water

Date Received: 09/21/22 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1010A		1	100 mL	100 mL	594425	09/29/22 13:44	ANE	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: ACW-25**Lab Sample ID: 400-226228-9****Date Collected: 09/20/22 10:10****Matrix: Water****Date Received: 09/21/22 09:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1010A		1	100 mL	100 mL	594425	09/29/22 13:44	ANE	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-593546/1****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	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-593548/1****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	593548	09/22/22 14:07	VB	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-593801/4****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	8260B		1	5 mL	5 mL	593801	09/24/22 12:08	BPO	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-594076/20****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	594076	09/27/22 20:00	JAW	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-594076/52****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	594076	09/28/22 07:07	JAW	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-594221/5****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	9056		1	10 mL	10 mL	594221	09/28/22 13:15	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-594269/1

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			594269	09/28/22 14:13	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-594425/3

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	1010A		1	100 mL	100 mL	594425	09/29/22 13:44	ANE	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-594658/1-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	594658	10/01/22 10:52	JL	EET PEN
Total/NA	Analysis	6010B		1			594898	10/03/22 20:55	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-593546/2

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	593546	09/22/22 13:58	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-593548/2

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	593548	09/22/22 14:07	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-593801/1002

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	8260B		1	5 mL	5 mL	593801	09/24/22 11:11	BPO	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594076/21

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	594076	09/27/22 20:21	JAW	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594076/53

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1	10 mL	10 mL	594076	09/28/22 07:28	JAW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594221/6

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	594221	09/28/22 13:38	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594269/2

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			594269	09/28/22 14:13	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594425/1

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	1010A		1	100 mL	100 mL	594425	09/29/22 13:44	ANE	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-594658/2-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	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31		
Total/NA	Analysis	6010B		1			594898	10/03/22 20:59	LSS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-594076/22

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	594076	09/27/22 20:42	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-594076/54

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1	10 mL	10 mL	594076	09/28/22 07:49	JAW	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-594221/7

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	594221	09/28/22 14:01	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-594425/2

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	1010A		1	100 mL	100 mL	594425	09/29/22 13:44	ANE	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-226228-1 MS

Date Collected: 09/20/22 10:55

Matrix: Water

Date Received: 09/21/22 09:07

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	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:14	LSS	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-226228-1 MSD

Date Collected: 09/20/22 10:55

Matrix: Water

Date Received: 09/21/22 09:07

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	594658	10/01/22 10:52	JL	EET PEN
							Completed:	10/01/22 15:31 ¹		
Total/NA	Analysis	6010B		1			594898	10/03/22 21:18	LSS	EET PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4 MS

Date Collected: 09/20/22 08:45

Matrix: Water

Date Received: 09/21/22 09:07

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	594076	09/28/22 08:30	JAW	EET PEN

Client Sample ID: DOOM WELL

Lab Sample ID: 400-226228-4 MSD

Date Collected: 09/20/22 08:45

Matrix: Water

Date Received: 09/21/22 09:07

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	594076	09/28/22 08:51	JAW	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

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

GC/MS VOA

Analysis Batch: 593801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	8260B	
400-226228-2	ACW-14	Total/NA	Water	8260B	
400-226228-3	ACW-15	Total/NA	Water	8260B	
400-226228-4	DOOM WELL	Total/NA	Water	8260B	
400-226228-5	OXY WELL	Total/NA	Water	8260B	
400-226228-6	DUP-01	Total/NA	Water	8260B	
400-226228-7	TRIP BLANK-01	Total/NA	Water	8260B	
MB 400-593801/4	Method Blank	Total/NA	Water	8260B	
LCS 400-593801/1002	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 594076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-2	ACW-14	Total/NA	Water	9056	
400-226228-4	DOOM WELL	Total/NA	Water	9056	
400-226228-5	OXY WELL	Total/NA	Water	9056	
MB 400-594076/20	Method Blank	Total/NA	Water	9056	
MB 400-594076/52	Method Blank	Total/NA	Water	9056	
LCS 400-594076/21	Lab Control Sample	Total/NA	Water	9056	
LCS 400-594076/53	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-594076/22	Lab Control Sample Dup	Total/NA	Water	9056	
LCSD 400-594076/54	Lab Control Sample Dup	Total/NA	Water	9056	
400-226228-4 MS	DOOM WELL	Total/NA	Water	9056	
400-226228-4 MSD	DOOM WELL	Total/NA	Water	9056	

Analysis Batch: 594221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	9056	
400-226228-3	ACW-15	Total/NA	Water	9056	
400-226228-6	DUP-01	Total/NA	Water	9056	
MB 400-594221/5	Method Blank	Total/NA	Water	9056	
LCS 400-594221/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-594221/7	Lab Control Sample Dup	Total/NA	Water	9056	

Metals

Prep Batch: 594658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	3010A	
400-226228-2	ACW-14	Total/NA	Water	3010A	
400-226228-3	ACW-15	Total/NA	Water	3010A	
400-226228-4	DOOM WELL	Total/NA	Water	3010A	
400-226228-5	OXY WELL	Total/NA	Water	3010A	
400-226228-6	DUP-01	Total/NA	Water	3010A	
MB 400-594658/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-594658/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-226228-1 MS	ACW-13	Total/NA	Water	3010A	
400-226228-1 MSD	ACW-13	Total/NA	Water	3010A	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Metals

Analysis Batch: 594898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	6010B	594658
400-226228-2	ACW-14	Total/NA	Water	6010B	594658
400-226228-3	ACW-15	Total/NA	Water	6010B	594658
400-226228-4	DOOM WELL	Total/NA	Water	6010B	594658
400-226228-5	OXY WELL	Total/NA	Water	6010B	594658
400-226228-6	DUP-01	Total/NA	Water	6010B	594658
MB 400-594658/1-A	Method Blank	Total/NA	Water	6010B	594658
LCS 400-594658/2-A	Lab Control Sample	Total/NA	Water	6010B	594658
400-226228-1 MS	ACW-13	Total/NA	Water	6010B	594658
400-226228-1 MSD	ACW-13	Total/NA	Water	6010B	594658

General Chemistry

Analysis Batch: 593546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	SM 2540C	
400-226228-2	ACW-14	Total/NA	Water	SM 2540C	
400-226228-3	ACW-15	Total/NA	Water	SM 2540C	
400-226228-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-226228-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-593546/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-593546/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 593548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-5	OXY WELL	Total/NA	Water	SM 2540C	
MB 400-593548/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-593548/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 594269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-1	ACW-13	Total/NA	Water	120.1	
400-226228-2	ACW-14	Total/NA	Water	120.1	
400-226228-3	ACW-15	Total/NA	Water	120.1	
400-226228-4	DOOM WELL	Total/NA	Water	120.1	
400-226228-5	OXY WELL	Total/NA	Water	120.1	
400-226228-6	DUP-01	Total/NA	Water	120.1	
MB 400-594269/1	Method Blank	Total/NA	Water	120.1	
LCS 400-594269/2	Lab Control Sample	Total/NA	Water	120.1	

Analysis Batch: 594425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-226228-8	ACW-24	Total/NA	Water	1010A	
400-226228-9	ACW-25	Total/NA	Water	1010A	
MB 400-594425/3	Method Blank	Total/NA	Water	1010A	
LCS 400-594425/1	Lab Control Sample	Total/NA	Water	1010A	
LCSD 400-594425/2	Lab Control Sample Dup	Total/NA	Water	1010A	

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-593801/4

Matrix: Water

Analysis Batch: 593801

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			09/24/22 12:08	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/24/22 12:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/24/22 12:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/24/22 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		72 - 119		09/24/22 12:08	1
Dibromofluoromethane	99		75 - 126		09/24/22 12:08	1
Toluene-d8 (Surr)	102		64 - 132		09/24/22 12:08	1

Lab Sample ID: LCS 400-593801/1002

Matrix: Water

Analysis Batch: 593801

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	0.0505		mg/L		101	70 - 130
Toluene	0.0500	0.0504		mg/L		101	70 - 130
Ethylbenzene	0.0500	0.0485		mg/L		97	70 - 130
Xylenes, Total	0.100	0.0975		mg/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	108		72 - 119
Dibromofluoromethane	94		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-594076/20

Matrix: Water

Analysis Batch: 594076

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			09/27/22 20:00	1

Lab Sample ID: MB 400-594076/52

Matrix: Water

Analysis Batch: 594076

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			09/28/22 07:07	1

Lab Sample ID: LCS 400-594076/21

Matrix: Water

Analysis Batch: 594076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.1		mg/L		101	90 - 110

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QC Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-594076/53

Matrix: Water

Analysis Batch: 594076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 400-594076/22

Matrix: Water

Analysis Batch: 594076

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.1		mg/L		101	90 - 110	0	15

Lab Sample ID: LCSD 400-594076/54

Matrix: Water

Analysis Batch: 594076

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	1	15

Lab Sample ID: 400-226228-4 MS

Matrix: Water

Analysis Batch: 594076

Client Sample ID: DOOM WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	36		10.0	44.9		mg/L		90	80 - 120

Lab Sample ID: 400-226228-4 MSD

Matrix: Water

Analysis Batch: 594076

Client Sample ID: DOOM WELL

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	36		10.0	44.7		mg/L		89	80 - 120	0	20

Lab Sample ID: MB 400-594221/5

Matrix: Water

Analysis Batch: 594221

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			09/28/22 13:15	1

Lab Sample ID: LCS 400-594221/6

Matrix: Water

Analysis Batch: 594221

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	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 400-594221/7

Matrix: Water

Analysis Batch: 594221

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.5		mg/L		105	90 - 110	0	15

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q22

Job ID: 400-226228-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-594658/1-A
Matrix: Water
Analysis Batch: 594898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594658

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		10/01/22 10:52	10/03/22 20:55	1

Lab Sample ID: LCS 400-594658/2-A
Matrix: Water
Analysis Batch: 594898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.9		mg/L		109	80 - 120

Lab Sample ID: 400-226228-1 MS
Matrix: Water
Analysis Batch: 594898

Client Sample ID: ACW-13
Prep Type: Total/NA
Prep Batch: 594658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	230		10.0	242	4	mg/L		113	75 - 125

Lab Sample ID: 400-226228-1 MSD
Matrix: Water
Analysis Batch: 594898

Client Sample ID: ACW-13
Prep Type: Total/NA
Prep Batch: 594658

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	230		10.0	238	4	mg/L		77	75 - 125	1	20

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: MB 400-594425/3
Matrix: Water
Analysis Batch: 594425

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>200.0		60.0	60.0	Degrees F			09/29/22 13:44	1

Lab Sample ID: LCS 400-594425/1
Matrix: Water
Analysis Batch: 594425

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	149	150.0		Degrees F		101	90 - 110

Lab Sample ID: LCSD 400-594425/2
Matrix: Water
Analysis Batch: 594425

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
Flashpoint	149	149.0		Degrees F		100	90 - 110	1	4

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QC Sample Results

Client: AECOM

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-594269/1

Matrix: Water

Analysis Batch: 594269

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			09/28/22 14:13	1

Lab Sample ID: LCS 400-594269/2

Matrix: Water

Analysis Batch: 594269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	10.1		umhos/cm		101	98 - 102

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

Lab Sample ID: MB 400-593546/1

Matrix: Water

Analysis Batch: 593546

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			09/22/22 13:58	1

Lab Sample ID: LCS 400-593546/2

Matrix: Water

Analysis Batch: 593546

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	300		mg/L		102	78 - 122

Lab Sample ID: MB 400-593548/1

Matrix: Water

Analysis Batch: 593548

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			09/22/22 14:07	1

Lab Sample ID: LCS 400-593548/2

Matrix: Water

Analysis Batch: 593548

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

Eurofins Pensacola

Eurofins Pensacola

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Chain of Custody Record



Environmental Testing
Air & Water

Client Information Address: 19219 Katy Freeway Suite 100 City: Houston State, Zip: TX, 77094 Phone: 713-520-990(Tel) 713-520-680(Fax) Email: wallace.gilmore@aecom.com Project Name: wallace.gilmore@aec.com Job #4 Gas Plant 3 Q 2 Z Site:		Sampler: Scott Wallace + HMI Team Phone: 832-347-4521 Lab PM: Whitmore, Cheyenne R E-Mail: Cheyenne.Whitmore@eurofins.com		Carrier Tracking No(s): 400-113868-39841.1 State of Origin: NM Page: Page 1 of 1 Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: ERG-ARC-09-06-22-ARS-03 Project #: 40012867 SSOW#:					
Sample Identification Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (W=water, S=solid, O=waste/soil) Preservation Code:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 9056 ORGM 28D - Chloride 6010B - Sodium 8260B - BTEX 2540C - TDS 120.1 - Specific Conductance 1010A - Ignitability (1010B, per AECOM 9-7-22) Total Number of containers			
ACW-13 ACW-14 ACW-15 Doam well OXY well Dup-01 Trip Blank-01 ACW-24 ACW-25		9/20/22 1055 915 1145 845 815 1000 — 825 1010		G Water Water Water Water Water Water Water Water Water	
Special Instructions/Note: 400-226228 COC		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:			
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:		Date:		Method of Shipment: FedEx	
Relinquished by:		Date/Time: 9/20/22 1230		Company:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☒ No		Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8		Date/Time: 9.21.22 09:07	

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-226228-1

SDG Number:

Login Number: 226228

List Number: 1

Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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	0.0°C IR8
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

Job ID: 400-226228-1

Project/Site: Jal #4 Gas Plant 3Q22

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23



Data Usability Summary

Date: February 24, 2023

To: Wally Gilmore, AECOM

CC: Robert Jones, AECOM

From: Ruth Parks, AECOM

Subject: Data Usability Summary for Review of 2022 Fourth Quarter Groundwater Data Laboratory Report Number 400-229895
Jal #4 Gas Plant, Jal, New Mexico

Data Usability Summary

Data from Eurofins in Pensacola, Florida were reviewed for the analysis of samples collected December 1, 2022 at the Jal #4 Gas Plant in Jal, New Mexico.

Data were reviewed for conformance to the requirements of *SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods* (SW-846). The purpose of this sampling event was to provide current data on concentrations of potential chemicals of concern (COCs) in groundwater for the Jal #4 Gas Plant property.

Samples were analyzed using:

- SW-846 6010B – Inductively Coupled Plasma – Atomic Emission Spectrometry,
- SW-846 8260B - Volatile Organic Compounds by Gas Chromatography-Mass Spectrometry (GC/MS),
- EPA Method 300.0 – Determination of Inorganic Anions by Ion Chromatograph,
- EPA Method 120.1 – Conductivity, Specific Conductance, and
- Standard Method 2540 C – Total Dissolved Solids (Dried at 180 C).

Data were reviewed and the results are discussed in this Data Usability Summary (DUS). The reportable data, quality control results, sample receipt checklist and chain-of-custody (C-O-C) records were examined for laboratory report 400-229895.

Introduction

Groundwater samples, a field duplicate, and a trip blank were analyzed for site-specific metals, volatile organic compounds (VOCs), inorganic anions, specific conductivity, and total dissolved solids (TDS) as requested on the chain-of-custodies (C-O-C). **Table B-1** lists the sample identifications cross-referenced to the laboratory identifications.

Analytical Results

Qualified data listed in **Table B-2**.



Data Usability Summary

Preservation and Holding Times

All samples were evaluated for agreement with the chain-of-custody (C-O-C). Sample bottles were received in good condition and within the temperature acceptance criteria of $\leq 6^{\circ}\text{C}$. Samples were prepared and analyzed within the holding times specified in SW-846 Table 2-40 except for ACW-02A which was analyzed past holding time for VOCs. Data were qualified and listed in **Table B-2**.

Calibrations

Calibration data were not submitted in this package and are not part of the standard deliverable.

Blanks

Target analytes were not detected in trip or method blanks.

Surrogate Recoveries

Samples with surrogate recoveries (%R) outside the laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**.

Laboratory Control Samples

Samples with laboratory control sample (LCS) recoveries (%R) outside of laboratory specifications are qualified as “JL” and “UJL” when below specifications and as “JH” when above specifications and listed in **Table B-2**. If a laboratory control sampled duplicate (LCSD) was analyzed, data with duplicate precision (as relative percent difference [RPD]) outside of laboratory acceptance criteria is qualified as “J” for LCS precision and listed in **Table B-2**.

Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Non-project sample data were not evaluated. Data with MS/MSD recoveries outside of laboratory specifications are qualified as “JL” for detections and “UJ” for non-detects when below specifications and “JH” when above specifications and listed in **Table B-2**. Sample data with MS/MSD precision (RPD) outside of the laboratory acceptance criteria are qualified as “J” for MS/MSD precision and listed in **Table B-2**.

Field and Laboratory Precision

Precision results for replicate and duplicate samples are summarized in **Table B-3**. Duplicate precision was not calculated for analytes which were reported as non-detect (U) or qualified as “U” in **Table B-2**. Analytes with non-detect results for both replicate and duplicate were not listed in the table. Field sample and sample duplicate analytes with RPD results outside of the project quality acceptance criteria of $\leq 30\%$ RPD are qualified as estimated “J” and listed in **Table B-2**.

Summary

Groundwater analytical data are usable for the purpose of determining concentrations of metals, VOCs, inorganics anions, specific conductivity, and TDS in samples.



Data Usability Summary

Tables**Table B-1. Cross-Reference Field Sample Identifications and Laboratory Identifications**

Field Identification	Laboratory Identification	Comment
ACW-01	400-229895-1	MS/MSD Sodium
ACW-02A	400-229895-2	
ACW-04	400-229895-3	MS/MSD VOC and Chloride
ACW-05	400-229895-4	
ACW-06	400-229895-5	
ACW-07	400-229895-6	
ACW-09	400-229895-7	
ACW-10	400-229895-8	
ACW-11	400-229895-9	
ACW-12	400-229895-10	
ACW-13	400-229895-11	
ACW-14	400-229895-12	
ACW-15	400-229895-13	
ACW-16	400-229895-14	
ACW-17	400-229895-15	
ACW-18	400-229895-16	
ACW-19	400-229895-17	
ACW-20	400-229895-18	
ACW-21	400-229895-19	
ACW-22	400-229895-20	
ACW-23	400-229895-21	MS/MSD VOC and Sodium
ACW-24	400-229895-22	
ACW-25	400-229895-23	
ACW-26	400-229895-24	
ACW-27	400-229895-25	
ACW-28	400-229895-26	
ACW-29	400-229895-27	
ACW-30S	400-229895-28	
ACW-30D	400-229895-29	



Data Usability Summary

ACW-32S	400-229895-30	
ACW-32D	400-229895-31	
ENSR-01	400-229895-32	
PTP-01	400-229895-33	
DOOM WELL	400-229895-34	
FMR OXY WELL	400-229895-35	MS/MSD VOC
EPNG-01	400-229895-36	
DUP-01	400-229895-37	Duplicate of ACW-32S
DUP-02	400-229895-38	Duplicate of ACW-30D
DUP-03	400-229895-39	Duplicate of ACW-20
DUP-04	400-229895-40	Duplicate of ACW-29
TB-01	400-229895-41	Trip Blank

Table B-2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
ACW-02A	Benzene	JL	Analyzed outside holding time
ACW-02A	Toluene	JL	Analyzed outside holding time
ACW-02A	Ethylbenzene	JL	Analyzed outside holding time
ACW-02A	Xylenes, Total	UJL	Analyzed outside holding time
ACW-23	TDS	J	Lab Duplicate Precision > 5 RPD
ACW-32D	TDS	J	Lab Duplicate Precision > 5 RPD
ACW-04	TDS	JL	Result exceeded calibration
ACW-18	TDS	JL	Result exceeded calibration
ACW-20	TDS	JL	Result exceeded calibration
ACW-24	TDS	JL	Result exceeded calibration
DUP-03	TDS	JL	Result exceeded calibration
ACW-30D	Sodium	J	Field Precision RPD
DUP-02	Sodium	J	Field Precision RPD
ACW-29	Sodium	J	Field Precision RPD
DUP-04	Sodium	J	Field Precision RPD
J – Estimated data; the sample concentration is approximated. L – Bias in sample result is likely low. U – Not detected.			



Data Usability Summary

Table B-3. Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD	Qualified
ACW-32S / DUP-01	Chloride	900	870	3.4	A
	Sodium	650	660	1.5	A
	Specific Conductance	3400	3200	6.1	A
	TDS	2000	2400	18.2	A
ACW-30D / DUP-02	Benzene	0.0014	0.0013	7.4	A
	Chloride	16000	17000	6.1	A
	Sodium	800	1200	40.0	J
	Specific Conductance	42000	42000	0.0	A
	TDS	30000	30000	0.0	A
ACW-20 / DUP-03	Benzene	0.055	0.057	3.6	A
	Toluene	0.0059	0.0070	17.1	A
	Ethylbenzene	0.0042	0.0048	13.3	A
	Xylenes	0.0026 J	0.0035 J	29.5	A
	Chloride	70000	71000	1.4	A
	Sodium	42000	42000	0.0	A
	Specific Conductance	180000	160000	11.8	A
	TDS	98000	110000	11.5	A
ACW-29 / DUP-04	Chloride	39	42	7.4	A
	Sodium	21	70	107.7	J
	Specific Conductance	720	740	2.7	A
	TDS	430	480	11.0	A
RPD = ((SR-DR)*200)/(SR+DR) A – Acceptable data A* - Acceptable data since absolute difference is <2X MQL J – Estimated data due to inability to meet QC criteria					

Reviewed by
Robert G. Jones
3/8/2023



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
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JOB DESCRIPTION

Jal #4 Gas Plant 4Q22

JOB NUMBER

400-229895-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

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



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Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Laboratory Job ID: 400-229895-1

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Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Job ID: 400-229895-1**Laboratory: Eurofins Pensacola****Narrative****Job Narrative
400-229895-1****GC/MS VOA**

Method 8260B: 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 outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: ACW-02A (400-229895-2).

HPLC/IC

Method 9056: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-01 (400-229895-1), ACW-02A (400-229895-2), ACW-04 (400-229895-3), ACW-05 (400-229895-4), ACW-06 (400-229895-5), ACW-07 (400-229895-6), ACW-09 (400-229895-7), ACW-10 (400-229895-8), ACW-11 (400-229895-9), ACW-12 (400-229895-10), ACW-13 (400-229895-11), ACW-14 (400-229895-12), ACW-16 (400-229895-14), ACW-17 (400-229895-15), ACW-18 (400-229895-16), ACW-20 (400-229895-18), ACW-24 (400-229895-22), ACW-25 (400-229895-23), ACW-30S (400-229895-28), ACW-30D (400-229895-29), ACW-32S (400-229895-30), ACW-32D (400-229895-31), ENSR-01 (400-229895-32), PTP-01 (400-229895-33), DOOM WELL (400-229895-34), FMR OXY WELL (400-229895-35), EPNG-01 (400-229895-36), DUP-01 (400-229895-37), DUP-02 (400-229895-38), DUP-03 (400-229895-39) and DUP-04 (400-229895-40). Elevated reporting limits (RLs) are provided.

Method 9056: Due to the high concentration of Chloride and/or Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-604743 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Metals

Method 6010B: Due to the high concentration of Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 400-604789 and analytical batch 400-605122 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: Internal standard responses were outside of acceptance limits for the following samples: ACW-01 (400-229895-1), ACW-02A (400-229895-2), ACW-04 (400-229895-3), ACW-05 (400-229895-4), ACW-06 (400-229895-5), ACW-09 (400-229895-7), ACW-10 (400-229895-8), ACW-12 (400-229895-10), ACW-14 (400-229895-12), ACW-16 (400-229895-14), ACW-21 (400-229895-19), ACW-22 (400-229895-20), ACW-23 (400-229895-21), ACW-24 (400-229895-22), ACW-26 (400-229895-24), ACW-28 (400-229895-26), ACW-29 (400-229895-27), ACW-30S (400-229895-28), ACW-30D (400-229895-29), ACW-32D (400-229895-31), ENSR-01 (400-229895-32), DOOM WELL (400-229895-34), FMR OXY WELL (400-229895-35), EPNG-01 (400-229895-36), DUP-02 (400-229895-38), (LCS 400-604789/2-A), (MB 400-604789/1-A), (400-229895-E-21-A MS), (400-229895-E-21-B MSD), (LCS 400-604771/26-A), (MB 400-604771/25-A), (400-229895-E-3-C MS) and (400-229895-E-3-E MSD). The samples show evidence of matrix interference.

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-04 (400-229895-3), ACW-18 (400-229895-16), ACW-20 (400-229895-18), ACW-24 (400-229895-22) and DUP-03 (400-229895-39). Reanalysis could not be performed due to sample matrix. Due to the sample matrix, 5ml was used for the method. The sample aliquot was over the method accepted range. Using a smaller amount will prevent the ability to obtain a representative aliquot for the method. As such, 5ml is being reported and annotated. 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 400-603752 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-603755 was outside control limits. Sample non-homogeneity is suspected.

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-01

Lab Sample ID: 400-229895-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.16		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0016		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00077	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Chloride	6900		500	60	mg/L	500		9056	Total/NA
Sodium	1800		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	19000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	11000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-02A

Lab Sample ID: 400-229895-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0031		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0012		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00077	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Chloride	2600		100	12	mg/L	100		9056	Total/NA
Sodium	270		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	11000		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: ACW-04

Lab Sample ID: 400-229895-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.030		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00072	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0041		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0055	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	61000		2500	300	mg/L	2500		9056	Total/NA
Sodium	45000		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	170000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	100000	E	50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-05

Lab Sample ID: 400-229895-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0079		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0014		0.0010	0.00041	mg/L	1		8260B	Total/NA
Chloride	2500		250	30	mg/L	250		9056	Total/NA
Sodium	150	J	200	92	mg/L	100		6010B	Total/NA
Specific Conductance	8800		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-06

Lab Sample ID: 400-229895-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00033	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	1800		50	6.0	mg/L	50		9056	Total/NA
Sodium	170	J	200	92	mg/L	100		6010B	Total/NA
Specific Conductance	6400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4700		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-07

Lab Sample ID: 400-229895-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2200		50	6.0	mg/L	50		9056	Total/NA
Sodium	2200		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	8100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6100		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-09

Lab Sample ID: 400-229895-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00026	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	11000		500	60	mg/L	500		9056	Total/NA
Sodium	440		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	28000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	19000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-10

Lab Sample ID: 400-229895-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.019		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	6000		500	60	mg/L	500		9056	Total/NA
Sodium	240		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	18000		5.0	5.0	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: 400-229895-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.017		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	23000		500	60	mg/L	500		9056	Total/NA
Sodium	8300		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	49000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	30000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-12

Lab Sample ID: 400-229895-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00023	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	2200		200	24	mg/L	200		9056	Total/NA
Specific Conductance	7300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6900		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-13

Lab Sample ID: 400-229895-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1700		50	6.0	mg/L	50		9056	Total/NA
Sodium	570		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	5300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3500		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14

Lab Sample ID: 400-229895-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	200		10	1.2	mg/L	10		9056	Total/NA
Sodium	28		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	1200		5.0	5.0	umhos/cm	1		120.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-14 (Continued)

Lab Sample ID: 400-229895-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	710		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15

Lab Sample ID: 400-229895-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	270		20	2.4	mg/L	20		9056	Total/NA
Sodium	190	J	200	92	mg/L	100		6010B	Total/NA
Specific Conductance	1400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	880		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-16

Lab Sample ID: 400-229895-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0014		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	10000		500	60	mg/L	500		9056	Total/NA
Sodium	400		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	27000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	17000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-17

Lab Sample ID: 400-229895-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00026	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	5600		500	60	mg/L	500		9056	Total/NA
Sodium	4700		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	16000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	9900		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-18

Lab Sample ID: 400-229895-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00034	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	48000		2500	300	mg/L	2500		9056	Total/NA
Sodium	28000		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	130000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	79000	E	50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-19

Lab Sample ID: 400-229895-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.024		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0066		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0030		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0028	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	1500		50	6.0	mg/L	50		9056	Total/NA
Sodium	2000		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	5500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3700		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-20

Lab Sample ID: 400-229895-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.055		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0059		0.0010	0.00041	mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-20 (Continued)

Lab Sample ID: 400-229895-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.0042		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0026	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	70000		2500	300	mg/L	2500		9056	Total/NA
Sodium	42000		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	180000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	98000	E	50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-21

Lab Sample ID: 400-229895-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.061		0.0010	0.00013	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0020	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	280		20	2.4	mg/L	20		9056	Total/NA
Sodium	36		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	2000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-22

Lab Sample ID: 400-229895-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00071	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	360		20	2.4	mg/L	20		9056	Total/NA
Sodium	72		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	2300		5.0	5.0	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: 400-229895-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	660		20	2.4	mg/L	20		9056	Total/NA
Sodium	160	F2	20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	3200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2100		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-24

Lab Sample ID: 400-229895-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0021		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	55000		2500	300	mg/L	2500		9056	Total/NA
Sodium	4100		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	120000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	87000	E	50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-25

Lab Sample ID: 400-229895-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.026		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	19000		1000	120	mg/L	1000		9056	Total/NA
Sodium	8900		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	48000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	34000		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-26

Lab Sample ID: 400-229895-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	570		50	6.0	mg/L	50		9056	Total/NA
Sodium	96		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	2200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1400		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-27

Lab Sample ID: 400-229895-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00028	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	1200		50	6.0	mg/L	50		9056	Total/NA
Sodium	860		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	4000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3200		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-28

Lab Sample ID: 400-229895-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34		2.0	0.24	mg/L	2		9056	Total/NA
Sodium	33		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	610		5.0	5.0	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: ACW-29

Lab Sample ID: 400-229895-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	39		2.0	0.24	mg/L	2		9056	Total/NA
Sodium	21		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	720		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	430		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30S

Lab Sample ID: 400-229895-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	100		10	1.2	mg/L	10		9056	Total/NA
Sodium	15	J	20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	790		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	540		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30D

Lab Sample ID: 400-229895-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0014		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	16000		500	60	mg/L	500		9056	Total/NA
Sodium	800		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	42000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	30000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32S

Lab Sample ID: 400-229895-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	900		50	6.0	mg/L	50		9056	Total/NA
Sodium	650		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	3400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2000		25	25	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-32D

Lab Sample ID: 400-229895-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		20	2.4	mg/L	20		9056	Total/NA
Sodium	40		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	1400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	830		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ENSR-01

Lab Sample ID: 400-229895-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.013		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00041	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00079	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Chloride	5900		200	24	mg/L	200		9056	Total/NA
Sodium	450		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	17000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	9700		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: PTP-01

Lab Sample ID: 400-229895-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00035	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	290		50	6.0	mg/L	50		9056	Total/NA
Sodium	430		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	1800		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL

Lab Sample ID: 400-229895-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	36		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	20		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	660		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	530		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-229895-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00056	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	230		50	6.0	mg/L	50		9056	Total/NA
Sodium	35		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	1400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	850		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: EPNG-01

Lab Sample ID: 400-229895-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	84		20	2.4	mg/L	20		9056	Total/NA
Sodium	30		20	9.2	mg/L	10		6010B	Total/NA
Specific Conductance	760		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	440		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-229895-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	870		100	12	mg/L	100		9056	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DUP-01 (Continued)

Lab Sample ID: 400-229895-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	660		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	3200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2400		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-229895-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0013		0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	17000		500	60	mg/L	500		9056	Total/NA
Sodium	1200		200	92	mg/L	100		6010B	Total/NA
Specific Conductance	42000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	30000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-03

Lab Sample ID: 400-229895-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.057		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0070		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0048		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0035	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	71000		2000	240	mg/L	2000		9056	Total/NA
Sodium	42000		2000	920	mg/L	1000		6010B	Total/NA
Specific Conductance	160000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	110000	E	50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-04

Lab Sample ID: 400-229895-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		10	1.2	mg/L	10		9056	Total/NA
Sodium	70		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	740		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	480		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-229895-41

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
9056	Anions, Ion Chromatography	SW846	EET PEN
6010B	Metals (ICP)	SW846	EET PEN
120.1	Conductivity, Specific Conductance	MCAWW	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3010A	Preparation, Total Metals	SW846	EET PEN
5030B	Purge and Trap	SW846	EET PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Eurofins Pensacola

Sample Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-229895-1	ACW-01	Water	12/01/22 10:25	12/03/22 08:50
400-229895-2	ACW-02A	Water	12/01/22 12:55	12/03/22 08:50
400-229895-3	ACW-04	Water	12/01/22 12:15	12/03/22 08:50
400-229895-4	ACW-05	Water	12/01/22 10:25	12/03/22 08:50
400-229895-5	ACW-06	Water	12/01/22 09:30	12/03/22 08:50
400-229895-6	ACW-07	Water	12/01/22 09:15	12/03/22 08:50
400-229895-7	ACW-09	Water	12/01/22 09:15	12/03/22 08:50
400-229895-8	ACW-10	Water	12/01/22 10:55	12/03/22 08:50
400-229895-9	ACW-11	Water	12/01/22 09:45	12/03/22 08:50
400-229895-10	ACW-12	Water	12/01/22 08:45	12/03/22 08:50
400-229895-11	ACW-13	Water	12/01/22 11:45	12/03/22 08:50
400-229895-12	ACW-14	Water	12/01/22 10:55	12/03/22 08:50
400-229895-13	ACW-15	Water	12/01/22 12:30	12/03/22 08:50
400-229895-14	ACW-16	Water	12/01/22 09:25	12/03/22 08:50
400-229895-15	ACW-17	Water	12/01/22 11:55	12/03/22 08:50
400-229895-16	ACW-18	Water	12/01/22 11:15	12/03/22 08:50
400-229895-17	ACW-19	Water	12/01/22 11:15	12/03/22 08:50
400-229895-18	ACW-20	Water	12/01/22 10:25	12/03/22 08:50
400-229895-19	ACW-21	Water	12/01/22 09:05	12/03/22 08:50
400-229895-20	ACW-22	Water	12/01/22 10:00	12/03/22 08:50
400-229895-21	ACW-23	Water	12/01/22 11:25	12/03/22 08:50
400-229895-22	ACW-24	Water	12/01/22 08:45	12/03/22 08:50
400-229895-23	ACW-25	Water	12/01/22 09:50	12/03/22 08:50
400-229895-24	ACW-26	Water	12/01/22 09:25	12/03/22 08:50
400-229895-25	ACW-27	Water	12/01/22 08:45	12/03/22 08:50
400-229895-26	ACW-28	Water	12/01/22 11:00	12/03/22 08:50
400-229895-27	ACW-29	Water	12/01/22 10:15	12/03/22 08:50
400-229895-28	ACW-30S	Water	12/01/22 11:20	12/03/22 08:50
400-229895-29	ACW-30D	Water	12/01/22 10:25	12/03/22 08:50
400-229895-30	ACW-32S	Water	12/01/22 10:20	12/03/22 08:50
400-229895-31	ACW-32D	Water	12/01/22 09:35	12/03/22 08:50
400-229895-32	ENSR-01	Water	12/01/22 08:25	12/03/22 08:50
400-229895-33	PTP-01	Water	12/01/22 11:55	12/03/22 08:50
400-229895-34	DOOM WELL	Water	12/01/22 12:25	12/03/22 08:50
400-229895-35	FMR OXY WELL	Water	12/01/22 12:20	12/03/22 08:50
400-229895-36	EPNG-01	Water	12/01/22 11:45	12/03/22 08:50
400-229895-37	DUP-01	Water	12/01/22 09:00	12/03/22 08:50
400-229895-38	DUP-02	Water	12/01/22 12:00	12/03/22 08:50
400-229895-39	DUP-03	Water	12/01/22 12:00	12/03/22 08:50
400-229895-40	DUP-04	Water	12/01/22 10:00	12/03/22 08:50
400-229895-41	TB-01	Water	12/01/22 12:00	12/03/22 08:50

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-01

Lab Sample ID: 400-229895-1

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.16		0.0010	0.00013	mg/L			12/09/22 12:35	1
Toluene	0.0016		0.0010	0.00041	mg/L			12/09/22 12:35	1
Ethylbenzene	0.00077	J	0.0010	0.00050	mg/L			12/09/22 12:35	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 12:35	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 119					12/09/22 12:35	1
Dibromofluoromethane	87		75 - 126					12/09/22 12:35	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 12:35	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6900		500	60	mg/L			12/08/22 23:32	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1800		200	92	mg/L		12/14/22 09:34	12/22/22 14:28	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	19000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	11000		50	50	mg/L			12/05/22 15:02	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-02A

Lab Sample ID: 400-229895-2

Date Collected: 12/01/22 12:55

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0031		0.0010	0.00013	mg/L			12/09/22 13:00	1
Toluene	0.0012		0.0010	0.00041	mg/L			12/09/22 13:00	1
Ethylbenzene	0.00077	J	0.0010	0.00050	mg/L			12/09/22 13:00	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 13:00	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					12/09/22 13:00	1
Dibromofluoromethane	88		75 - 126					12/09/22 13:00	1
Toluene-d8 (Surr)	105		64 - 132					12/09/22 13:00	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		100	12	mg/L			12/08/22 23:53	100

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	270		200	92	mg/L		12/15/22 10:56	12/22/22 12:56	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	11000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	6200		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-04

Lab Sample ID: 400-229895-3

Date Collected: 12/01/22 12:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.030		0.0010	0.00013	mg/L			12/09/22 13:25	1
Toluene	0.00072	J	0.0010	0.00041	mg/L			12/09/22 13:25	1
Ethylbenzene	0.0041		0.0010	0.00050	mg/L			12/09/22 13:25	1
Xylenes, Total	0.0055	J	0.010	0.0016	mg/L			12/09/22 13:25	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 119					12/09/22 13:25	1
Dibromofluoromethane	89		75 - 126					12/09/22 13:25	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 13:25	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61000		2500	300	mg/L			12/14/22 01:24	2500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	45000		2000	920	mg/L		12/15/22 10:56	12/27/22 18:41	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	170000		10	10	umhos/cm			12/19/22 17:39	2
Total Dissolved Solids (SM 2540C)	100000	E	50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-05

Lab Sample ID: 400-229895-4

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0079		0.0010	0.00013	mg/L			12/09/22 15:06	1
Toluene	0.0014		0.0010	0.00041	mg/L			12/09/22 15:06	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 15:06	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 15:06	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119					12/09/22 15:06	1
Dibromofluoromethane	87		75 - 126					12/09/22 15:06	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 15:06	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2500		250	30	mg/L			12/14/22 21:57	250

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	150	J	200	92	mg/L		12/15/22 10:56	12/22/22 13:12	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	8800		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	6000		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-06

Lab Sample ID: 400-229895-5

Date Collected: 12/01/22 09:30

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00033	J	0.0010	0.00013	mg/L			12/09/22 15:31	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 15:31	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 15:31	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 15:31	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					12/09/22 15:31	1
Dibromofluoromethane	86		75 - 126					12/09/22 15:31	1
Toluene-d8 (Surr)	105		64 - 132					12/09/22 15:31	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			12/09/22 03:42	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	170	J	200	92	mg/L		12/15/22 10:56	12/22/22 13:16	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	6400		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	4700		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-07

Lab Sample ID: 400-229895-6

Date Collected: 12/01/22 09:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 15:56	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 15:56	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 15:56	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 15:56	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 119					12/09/22 15:56	1
Dibromofluoromethane	87		75 - 126					12/09/22 15:56	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 15:56	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		50	6.0	mg/L			12/09/22 04:03	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2200		2000	920	mg/L		12/14/22 09:34	12/27/22 17:50	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	8100		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	6100		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-09

Lab Sample ID: 400-229895-7

Date Collected: 12/01/22 09:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00026	J	0.0010	0.00013	mg/L			12/09/22 16:21	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 16:21	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 16:21	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 16:21	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 119					12/09/22 16:21	1
Dibromofluoromethane	87		75 - 126					12/09/22 16:21	1
Toluene-d8 (Surr)	105		64 - 132					12/09/22 16:21	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11000		500	60	mg/L			12/14/22 02:56	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	440		200	92	mg/L		12/14/22 09:34	12/22/22 11:39	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	28000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	19000		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-10

Lab Sample ID: 400-229895-8

Date Collected: 12/01/22 10:55

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.019		0.0010	0.00013	mg/L			12/09/22 16:46	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 16:46	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 16:46	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 16:46	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					12/09/22 16:46	1
Dibromofluoromethane	87		75 - 126					12/09/22 16:46	1
Toluene-d8 (Surr)	109		64 - 132					12/09/22 16:46	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6000		500	60	mg/L			12/14/22 03:19	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	240		200	92	mg/L		12/14/22 09:34	12/22/22 11:43	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	18000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	13000		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-11

Lab Sample ID: 400-229895-9

Date Collected: 12/01/22 09:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.017		0.0010	0.00013	mg/L			12/09/22 17:11	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 17:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 17:11	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 17:11	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 119					12/09/22 17:11	1
Dibromofluoromethane	90		75 - 126					12/09/22 17:11	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 17:11	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23000		500	60	mg/L			12/14/22 21:12	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	8300		2000	920	mg/L		12/14/22 09:34	12/27/22 17:54	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	49000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	30000		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-12

Lab Sample ID: 400-229895-10

Date Collected: 12/01/22 08:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00023	J	0.0010	0.00013	mg/L			12/09/22 17:36	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 17:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 17:36	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 17:36	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119					12/09/22 17:36	1
Dibromofluoromethane	89		75 - 126					12/09/22 17:36	1
Toluene-d8 (Surr)	105		64 - 132					12/09/22 17:36	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		200	24	mg/L			12/14/22 21:35	200

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<92		200	92	mg/L		12/14/22 09:34	12/22/22 11:51	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	7300		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	6900		50	50	mg/L			12/05/22 15:02	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-13

Lab Sample ID: 400-229895-11

Date Collected: 12/01/22 11:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 18:01	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:01	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:01	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:01	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119					12/09/22 18:01	1
Dibromofluoromethane	88		75 - 126					12/09/22 18:01	1
Toluene-d8 (Surr)	106		64 - 132					12/09/22 18:01	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		50	6.0	mg/L			12/21/22 19:56	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	570		200	92	mg/L		12/14/22 09:34	12/27/22 17:58	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	5300		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	3500		25	25	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-14

Lab Sample ID: 400-229895-12

Date Collected: 12/01/22 10:55

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 18:26	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:26	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:26	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:26	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 119					12/09/22 18:26	1
Dibromofluoromethane	85		75 - 126					12/09/22 18:26	1
Toluene-d8 (Surr)	110		64 - 132					12/09/22 18:26	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		10	1.2	mg/L			12/09/22 17:15	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	28		20	9.2	mg/L		12/14/22 09:34	12/22/22 12:06	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1200		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	710		5.0	5.0	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-15

Lab Sample ID: 400-229895-13

Date Collected: 12/01/22 12:30

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 18:51	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:51	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:51	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					12/09/22 18:51	1
Dibromofluoromethane	88		75 - 126					12/09/22 18:51	1
Toluene-d8 (Surr)	107		64 - 132					12/09/22 18:51	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		20	2.4	mg/L			12/10/22 09:12	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	190	J	200	92	mg/L		12/14/22 09:34	12/27/22 18:02	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1400		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	880		5.0	5.0	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-16

Lab Sample ID: 400-229895-14

Date Collected: 12/01/22 09:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0014		0.0010	0.00013	mg/L			12/09/22 19:17	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 19:17	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 19:17	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 19:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					12/09/22 19:17	1
Dibromofluoromethane	87		75 - 126					12/09/22 19:17	1
Toluene-d8 (Surr)	104		64 - 132					12/09/22 19:17	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		500	60	mg/L			12/14/22 03:42	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	400		200	92	mg/L		12/14/22 09:34	12/22/22 12:14	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	27000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	17000		50	50	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-17

Lab Sample ID: 400-229895-15

Date Collected: 12/01/22 11:55

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00026	J	0.0010	0.00013	mg/L			12/09/22 19:42	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 19:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 19:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 19:42	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					12/09/22 19:42	1
Dibromofluoromethane	88		75 - 126					12/09/22 19:42	1
Toluene-d8 (Surr)	107		64 - 132					12/09/22 19:42	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5600		500	60	mg/L			12/14/22 04:50	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	4700		200	92	mg/L		12/14/22 09:34	12/27/22 18:13	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	16000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	9900		50	50	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-18

Lab Sample ID: 400-229895-16

Date Collected: 12/01/22 11:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00034	J	0.0010	0.00013	mg/L			12/09/22 20:07	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 20:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 20:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 20:07	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119					12/09/22 20:07	1
Dibromofluoromethane	91		75 - 126					12/09/22 20:07	1
Toluene-d8 (Surr)	108		64 - 132					12/09/22 20:07	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48000		2500	300	mg/L			12/14/22 05:13	2500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	28000		2000	920	mg/L		12/14/22 09:34	12/27/22 18:17	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	130000		10	10	umhos/cm			12/19/22 17:39	2
Total Dissolved Solids (SM 2540C)	79000	E	50	50	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-19

Lab Sample ID: 400-229895-17

Date Collected: 12/01/22 11:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.024		0.0010	0.00013	mg/L			12/09/22 20:32	1
Toluene	0.0066		0.0010	0.00041	mg/L			12/09/22 20:32	1
Ethylbenzene	0.0030		0.0010	0.00050	mg/L			12/09/22 20:32	1
Xylenes, Total	0.0028	J	0.010	0.0016	mg/L			12/09/22 20:32	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					12/09/22 20:32	1
Dibromofluoromethane	87		75 - 126					12/09/22 20:32	1
Toluene-d8 (Surr)	108		64 - 132					12/09/22 20:32	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		50	6.0	mg/L			12/10/22 02:58	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2000		200	92	mg/L		12/14/22 09:34	12/27/22 18:21	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	5500		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	3700		50	50	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-20

Lab Sample ID: 400-229895-18

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.055		0.0010	0.00013	mg/L			12/09/22 20:57	1
Toluene	0.0059		0.0010	0.00041	mg/L			12/09/22 20:57	1
Ethylbenzene	0.0042		0.0010	0.00050	mg/L			12/09/22 20:57	1
Xylenes, Total	0.0026	J	0.010	0.0016	mg/L			12/09/22 20:57	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119					12/09/22 20:57	1
Dibromofluoromethane	86		75 - 126					12/09/22 20:57	1
Toluene-d8 (Surr)	105		64 - 132					12/09/22 20:57	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70000		2500	300	mg/L			12/14/22 05:36	2500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	42000		2000	920	mg/L		12/14/22 09:34	12/27/22 18:25	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	180000		10	10	umhos/cm			12/19/22 17:39	2
Total Dissolved Solids (SM 2540C)	98000	E	50	50	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-21

Lab Sample ID: 400-229895-19

Date Collected: 12/01/22 09:05

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.061		0.0010	0.00013	mg/L			12/09/22 21:22	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 21:22	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 21:22	1
Xylenes, Total	0.0020	J	0.010	0.0016	mg/L			12/09/22 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 119					12/09/22 21:22	1
Dibromofluoromethane	83		75 - 126					12/09/22 21:22	1
Toluene-d8 (Surr)	111		64 - 132					12/09/22 21:22	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		20	2.4	mg/L			12/10/22 04:21	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	36		20	9.2	mg/L		12/14/22 09:34	12/22/22 12:33	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	2000		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	1100		10	10	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-22

Lab Sample ID: 400-229895-20

Date Collected: 12/01/22 10:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00071	J	0.0010	0.00013	mg/L			12/09/22 21:47	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 21:47	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 21:47	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 21:47	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	114		72 - 119					12/09/22 21:47	1
Dibromofluoromethane	87		75 - 126					12/09/22 21:47	1
Toluene-d8 (Surr)	107		64 - 132					12/09/22 21:47	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		20	2.4	mg/L			12/10/22 04:42	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	72		20	9.2	mg/L		12/14/22 09:34	12/22/22 12:37	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	2300		5.0	5.0	umhos/cm			12/19/22 17:39	1
Total Dissolved Solids (SM 2540C)	1300		10	10	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-23

Lab Sample ID: 400-229895-21

Date Collected: 12/01/22 11:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 13:54	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 13:54	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 13:54	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 13:54	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					12/09/22 13:54	1
Dibromofluoromethane	100		75 - 126					12/09/22 13:54	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 13:54	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		20	2.4	mg/L			12/10/22 05:02	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	160	F2	20	9.2	mg/L		12/14/22 11:49	12/22/22 16:20	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	3200		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	2100		25	25	mg/L			12/06/22 15:33	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-24

Lab Sample ID: 400-229895-22

Date Collected: 12/01/22 08:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0021		0.0010	0.00013	mg/L			12/09/22 18:07	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	113		72 - 119					12/09/22 18:07	1
Dibromofluoromethane	100		75 - 126					12/09/22 18:07	1
Toluene-d8 (Surr)	94		64 - 132					12/09/22 18:07	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55000		2500	300	mg/L			12/14/22 05:59	2500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	4100		200	92	mg/L		12/14/22 11:49	12/22/22 16:32	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	120000		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	87000	E	50	50	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-25

Lab Sample ID: 400-229895-23

Date Collected: 12/01/22 09:50

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.026		0.0010	0.00013	mg/L			12/09/22 18:32	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:32	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:32	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					12/09/22 18:32	1
Dibromofluoromethane	103		75 - 126					12/09/22 18:32	1
Toluene-d8 (Surr)	96		64 - 132					12/09/22 18:32	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19000		1000	120	mg/L			12/14/22 06:22	1000

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	8900		2000	920	mg/L		12/14/22 11:49	12/27/22 19:23	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	48000		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	34000		50	50	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-26

Lab Sample ID: 400-229895-24

Date Collected: 12/01/22 09:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 18:57	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 18:57	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 18:57	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 18:57	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 18:57	1
Dibromofluoromethane	102		75 - 126					12/09/22 18:57	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 18:57	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		50	6.0	mg/L			12/10/22 06:26	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	96		20	9.2	mg/L		12/14/22 11:49	12/22/22 16:47	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	2200		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	1400		10	10	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-27

Lab Sample ID: 400-229895-25

Date Collected: 12/01/22 08:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00028	J	0.0010	0.00013	mg/L			12/09/22 19:22	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 19:22	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 19:22	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 19:22	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					12/09/22 19:22	1
Dibromofluoromethane	102		75 - 126					12/09/22 19:22	1
Toluene-d8 (Surr)	96		64 - 132					12/09/22 19:22	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50	6.0	mg/L			12/10/22 06:47	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	860		200	92	mg/L		12/14/22 11:49	12/27/22 19:27	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	4000		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	3200		25	25	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-28

Lab Sample ID: 400-229895-26

Date Collected: 12/01/22 11:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 19:47	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 19:47	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 19:47	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 19:47	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 19:47	1
Dibromofluoromethane	102		75 - 126					12/09/22 19:47	1
Toluene-d8 (Surr)	98		64 - 132					12/09/22 19:47	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34		2.0	0.24	mg/L			12/10/22 07:07	2

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	33		20	9.2	mg/L		12/14/22 11:49	12/22/22 16:55	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	610		5.0	5.0	umhos/cm			12/20/22 14:59	1
Total Dissolved Solids (SM 2540C)	400		5.0	5.0	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-29

Lab Sample ID: 400-229895-27

Date Collected: 12/01/22 10:15

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 20:13	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 20:13	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 20:13	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 20:13	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 20:13	1
Dibromofluoromethane	103		75 - 126					12/09/22 20:13	1
Toluene-d8 (Surr)	96		64 - 132					12/09/22 20:13	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39		2.0	0.24	mg/L			12/10/22 08:10	2

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	21		20	9.2	mg/L		12/14/22 11:49	12/22/22 16:59	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	720		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	430		5.0	5.0	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-30S

Lab Sample ID: 400-229895-28

Date Collected: 12/01/22 11:20

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 20:38	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 20:38	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 20:38	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 20:38	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 20:38	1
Dibromofluoromethane	101		75 - 126					12/09/22 20:38	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 20:38	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		10	1.2	mg/L			12/13/22 15:54	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	15	J	20	9.2	mg/L		12/14/22 11:49	12/22/22 17:03	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	790		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	540		5.0	5.0	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-30D

Lab Sample ID: 400-229895-29

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0014		0.0010	0.00013	mg/L			12/09/22 21:03	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 21:03	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 21:03	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 21:03	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					12/09/22 21:03	1
Dibromofluoromethane	103		75 - 126					12/09/22 21:03	1
Toluene-d8 (Surr)	96		64 - 132					12/09/22 21:03	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16000		500	60	mg/L			12/15/22 15:28	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	800		200	92	mg/L		12/14/22 11:49	12/22/22 17:07	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	42000		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	30000		50	50	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-32S

Lab Sample ID: 400-229895-30

Date Collected: 12/01/22 10:20

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 21:28	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 21:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 21:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 21:28	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 21:28	1
Dibromofluoromethane	103		75 - 126					12/09/22 21:28	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 21:28	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	900		50	6.0	mg/L			12/13/22 16:40	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	650		200	92	mg/L		12/14/22 11:49	12/27/22 19:31	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	3400		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	2000		25	25	mg/L			12/06/22 15:33	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-32D

Lab Sample ID: 400-229895-31

Date Collected: 12/01/22 09:35

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 21:53	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 21:53	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 21:53	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 21:53	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					12/09/22 21:53	1
Dibromofluoromethane	102		75 - 126					12/09/22 21:53	1
Toluene-d8 (Surr)	98		64 - 132					12/09/22 21:53	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		20	2.4	mg/L			12/13/22 17:02	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	40		20	9.2	mg/L		12/14/22 11:49	12/22/22 17:14	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1400		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	830		10	10	mg/L			12/06/22 15:41	1

Eurofins Pensacola

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ENSR-01

Lab Sample ID: 400-229895-32

Date Collected: 12/01/22 08:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.013		0.0010	0.00013	mg/L			12/09/22 22:18	1
Toluene	0.00041	J	0.0010	0.00041	mg/L			12/09/22 22:18	1
Ethylbenzene	0.00079	J	0.0010	0.00050	mg/L			12/09/22 22:18	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 22:18	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					12/09/22 22:18	1
Dibromofluoromethane	101		75 - 126					12/09/22 22:18	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 22:18	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5900		200	24	mg/L			12/15/22 15:51	200

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	450		200	92	mg/L		12/14/22 11:49	12/22/22 17:18	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	17000		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	9700		50	50	mg/L			12/06/22 15:41	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: PTP-01

Lab Sample ID: 400-229895-33

Date Collected: 12/01/22 11:55

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00035	J	0.0010	0.00013	mg/L			12/09/22 22:44	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 22:44	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 22:44	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 22:44	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					12/09/22 22:44	1
Dibromofluoromethane	101		75 - 126					12/09/22 22:44	1
Toluene-d8 (Surr)	99		64 - 132					12/09/22 22:44	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		50	6.0	mg/L			12/13/22 18:11	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	430		200	92	mg/L		12/14/22 11:49	12/27/22 19:34	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1800		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	1100		10	10	mg/L			12/06/22 15:41	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DOOM WELL

Lab Sample ID: 400-229895-34

Date Collected: 12/01/22 12:25

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 23:09	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 23:09	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 23:09	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 23:09	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					12/09/22 23:09	1
Dibromofluoromethane	100		75 - 126					12/09/22 23:09	1
Toluene-d8 (Surr)	97		64 - 132					12/09/22 23:09	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36		5.0	0.60	mg/L			12/13/22 18:34	5

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	20		20	9.2	mg/L		12/14/22 11:49	12/22/22 17:34	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	660		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	530		5.0	5.0	mg/L			12/06/22 15:41	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-229895-35

Date Collected: 12/01/22 12:20

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00056	J	0.0010	0.00013	mg/L			12/10/22 12:20	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 12:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 12:20	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119					12/10/22 12:20	1
Dibromofluoromethane	106		75 - 126					12/10/22 12:20	1
Toluene-d8 (Surr)	97		64 - 132					12/10/22 12:20	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		50	6.0	mg/L			12/13/22 19:42	50

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	35		20	9.2	mg/L		12/14/22 11:49	12/22/22 17:38	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	1400		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	850		10	10	mg/L			12/06/22 15:41	1

Eurofins Pensacola

Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: EPNG-01

Lab Sample ID: 400-229895-36

Date Collected: 12/01/22 11:45

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/10/22 14:25	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 14:25	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 14:25	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 14:25	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119					12/10/22 14:25	1
Dibromofluoromethane	107		75 - 126					12/10/22 14:25	1
Toluene-d8 (Surr)	100		64 - 132					12/10/22 14:25	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84		20	2.4	mg/L			12/13/22 20:05	20

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	30		20	9.2	mg/L		12/14/22 11:49	12/22/22 17:42	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	760		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	440		5.0	5.0	mg/L			12/06/22 15:41	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DUP-01

Lab Sample ID: 400-229895-37

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/10/22 14:45	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 14:45	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 14:45	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119					12/10/22 14:45	1
Dibromofluoromethane	107		75 - 126					12/10/22 14:45	1
Toluene-d8 (Surr)	101		64 - 132					12/10/22 14:45	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	870		100	12	mg/L			12/13/22 20:28	100

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	660		200	92	mg/L		12/14/22 11:49	12/27/22 19:46	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	3200		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	2400		25	25	mg/L			12/06/22 15:41	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DUP-02

Lab Sample ID: 400-229895-38

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0013		0.0010	0.00013	mg/L			12/10/22 15:06	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 15:06	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 15:06	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 15:06	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119					12/10/22 15:06	1
Dibromofluoromethane	104		75 - 126					12/10/22 15:06	1
Toluene-d8 (Surr)	98		64 - 132					12/10/22 15:06	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17000		500	60	mg/L			12/15/22 16:14	500

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1200		200	92	mg/L		12/14/22 11:49	12/22/22 17:49	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	42000		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	30000		50	50	mg/L			12/06/22 15:41	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DUP-03

Lab Sample ID: 400-229895-39

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.057		0.0010	0.00013	mg/L			12/10/22 15:27	1
Toluene	0.0070		0.0010	0.00041	mg/L			12/10/22 15:27	1
Ethylbenzene	0.0048		0.0010	0.00050	mg/L			12/10/22 15:27	1
Xylenes, Total	0.0035	J	0.010	0.0016	mg/L			12/10/22 15:27	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119					12/10/22 15:27	1
Dibromofluoromethane	108		75 - 126					12/10/22 15:27	1
Toluene-d8 (Surr)	100		64 - 132					12/10/22 15:27	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71000		2000	240	mg/L			12/15/22 16:37	2000

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	42000		2000	920	mg/L		12/14/22 11:49	12/27/22 19:50	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	160000		10	10	umhos/cm			12/20/22 09:22	2
Total Dissolved Solids (SM 2540C)	110000	E	50	50	mg/L			12/06/22 15:41	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: DUP-04

Lab Sample ID: 400-229895-40

Date Collected: 12/01/22 10:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/10/22 15:48	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 15:48	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 15:48	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 15:48	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119					12/10/22 15:48	1
Dibromofluoromethane	105		75 - 126					12/10/22 15:48	1
Toluene-d8 (Surr)	99		64 - 132					12/10/22 15:48	1

Method: SW846 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42		10	1.2	mg/L			12/13/22 21:36	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	70		2.0	0.92	mg/L		12/15/22 09:59	12/16/22 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (MCAWW 120.1)	740		5.0	5.0	umhos/cm			12/20/22 09:22	1
Total Dissolved Solids (SM 2540C)	480		5.0	5.0	mg/L			12/06/22 15:41	1

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Client Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: TB-01

Lab Sample ID: 400-229895-41

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/10/22 14:04	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 14:04	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 14:04	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 119		12/10/22 14:04	1
Dibromofluoromethane	104		75 - 126		12/10/22 14:04	1
Toluene-d8 (Surr)	100		64 - 132		12/10/22 14:04	1

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Definitions/Glossary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits
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
E	Result exceeded calibration range.
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

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Surrogate Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-119)	DBFM (75-126)	TOL (64-132)
400-229895-1	ACW-01	104	87	104
400-229895-2	ACW-02A	111	88	105
400-229895-3	ACW-04	110	89	104
400-229895-3 MS	ACW-04	105	89	103
400-229895-3 MSD	ACW-04	101	93	103
400-229895-4	ACW-05	106	87	104
400-229895-5	ACW-06	108	86	105
400-229895-6	ACW-07	109	87	104
400-229895-7	ACW-09	107	87	105
400-229895-8	ACW-10	108	87	109
400-229895-9	ACW-11	110	90	104
400-229895-10	ACW-12	106	89	105
400-229895-11	ACW-13	106	88	106
400-229895-12	ACW-14	105	85	110
400-229895-13	ACW-15	111	88	107
400-229895-14	ACW-16	108	87	104
400-229895-15	ACW-17	111	88	107
400-229895-16	ACW-18	108	91	108
400-229895-17	ACW-19	111	87	108
400-229895-18	ACW-20	111	86	105
400-229895-19	ACW-21	109	83	111
400-229895-20	ACW-22	114	87	107
400-229895-21	ACW-23	101	100	97
400-229895-21 MS	ACW-23	96	92	98
400-229895-21 MSD	ACW-23	96	92	97
400-229895-22	ACW-24	113	100	94
400-229895-23	ACW-25	102	103	96
400-229895-24	ACW-26	100	102	97
400-229895-25	ACW-27	101	102	96
400-229895-26	ACW-28	100	102	98
400-229895-27	ACW-29	100	103	96
400-229895-28	ACW-30S	100	101	97
400-229895-29	ACW-30D	102	103	96
400-229895-30	ACW-32S	100	103	97
400-229895-31	ACW-32D	102	102	98
400-229895-32	ENSR-01	100	101	97
400-229895-33	PTP-01	102	101	99
400-229895-34	DOOM WELL	101	100	97
400-229895-35	FMR OXY WELL	90	106	97
400-229895-35 MS	FMR OXY WELL	85	103	94
400-229895-35 MSD	FMR OXY WELL	87	102	95
400-229895-36	EPNG-01	90	107	100
400-229895-37	DUP-01	88	107	101
400-229895-38	DUP-02	88	104	98
400-229895-39	DUP-03	89	108	100
400-229895-40	DUP-04	89	105	99
400-229895-41	TB-01	91	104	100
LCS 400-604196/1002	Lab Control Sample	100	87	106
LCS 400-604214/1002	Lab Control Sample	91	94	96

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Surrogate Summary

Client: AECOM

Project/Site: Jal #4 Gas Plant 4Q22

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

Matrix: Water

Job ID: 400-229895-1

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-119)	DBFM (75-126)	TOL (64-132)
LCS 400-604321/1002	Lab Control Sample	87	104	94
MB 400-604196/4	Method Blank	105	86	109
MB 400-604214/4	Method Blank	102	99	98
MB 400-604321/4	Method Blank	91	100	99
Surrogate Legend				
BFB = 4-Bromofluorobenzene				
DBFM = Dibromofluoromethane				
TOL = Toluene-d8 (Surr)				

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-01

Lab Sample ID: 400-229895-1

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 12:35	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604123	12/08/22 23:32	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604738	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 15:25 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 14:28	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-02A

Lab Sample ID: 400-229895-2

Date Collected: 12/01/22 12:55

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 13:00	AGW	EET PEN
Total/NA	Analysis	9056		100	10 mL	10 mL	604123	12/08/22 23:53	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 12:56	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-04

Lab Sample ID: 400-229895-3

Date Collected: 12/01/22 12:15

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 13:25	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 01:24	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 18:41	LSS	EET PEN
Total/NA	Analysis	120.1		2			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-05

Lab Sample ID: 400-229895-4

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 15:06	AGW	EET PEN
Total/NA	Analysis	9056		250	10 mL	10 mL	604743	12/14/22 21:57	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 13:12	LSS	EET PEN

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-05

Lab Sample ID: 400-229895-4

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

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			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-06

Lab Sample ID: 400-229895-5

Date Collected: 12/01/22 09:30

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 15:31	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604123	12/09/22 03:42	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19		
Total/NA	Analysis	6010B		100			606127	12/22/22 13:16	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-07

Lab Sample ID: 400-229895-6

Date Collected: 12/01/22 09:15

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 15:56	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604123	12/09/22 04:03	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48		
Total/NA	Analysis	6010B		1000			606355	12/27/22 17:50	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-09

Lab Sample ID: 400-229895-7

Date Collected: 12/01/22 09:15

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 16:21	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604739	12/14/22 02:56	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48		
Total/NA	Analysis	6010B		100			606127	12/22/22 11:39	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-10

Lab Sample ID: 400-229895-8

Date Collected: 12/01/22 10:55

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 16:46	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604739	12/14/22 03:19	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 11:43	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-11

Lab Sample ID: 400-229895-9

Date Collected: 12/01/22 09:45

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 17:11	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604743	12/14/22 21:12	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 17:54	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-12

Lab Sample ID: 400-229895-10

Date Collected: 12/01/22 08:45

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 17:36	AGW	EET PEN
Total/NA	Analysis	9056		200	10 mL	10 mL	604743	12/14/22 21:35	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 11:51	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-13

Lab Sample ID: 400-229895-11

Date Collected: 12/01/22 11:45

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 18:01	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	605788	12/21/22 19:56	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606355	12/27/22 17:58	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-13

Date Collected: 12/01/22 11:45

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-14

Date Collected: 12/01/22 10:55

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 18:26	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	604127	12/09/22 17:15	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 12:06	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-15

Date Collected: 12/01/22 12:30

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 18:51	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604505	12/10/22 09:12	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606355	12/27/22 18:02	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-16

Date Collected: 12/01/22 09:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 19:17	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604739	12/14/22 03:42	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 12:14	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-17

Date Collected: 12/01/22 11:55

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 19:42	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604739	12/14/22 04:50	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606355	12/27/22 18:13	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-18

Date Collected: 12/01/22 11:15

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 20:07	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 05:13	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 18:17	LSS	EET PEN
Total/NA	Analysis	120.1		2			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-19

Date Collected: 12/01/22 11:15

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 20:32	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604505	12/10/22 02:58	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		100			606355	12/27/22 18:21	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-20

Date Collected: 12/01/22 10:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-18

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	8260B		1	5 mL	5 mL	604196	12/09/22 20:57	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 05:36	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 18:25	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-20

Lab Sample ID: 400-229895-18

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		2			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-21

Lab Sample ID: 400-229895-19

Date Collected: 12/01/22 09:05

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 21:22	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604505	12/10/22 04:21	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 12:33	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-22

Lab Sample ID: 400-229895-20

Date Collected: 12/01/22 10:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604196	12/09/22 21:47	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604505	12/10/22 04:42	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 16:48 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 12:37	LSS	EET PEN
Total/NA	Analysis	120.1		1			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-23

Lab Sample ID: 400-229895-21

Date Collected: 12/01/22 11:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 13:54	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604505	12/10/22 05:02	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 16:20	LSS	EET PEN
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-24

Date Collected: 12/01/22 08:45

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-22

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	8260B		1	5 mL	5 mL	604214	12/09/22 18:07	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 05:59	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 '1										
Total/NA	Analysis	6010B		100			606127	12/22/22 16:32	LSS	EET PEN
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-25

Date Collected: 12/01/22 09:50

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-23

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	8260B		1	5 mL	5 mL	604214	12/09/22 18:32	AGW	EET PEN
Total/NA	Analysis	9056		1000	10 mL	10 mL	604739	12/14/22 06:22	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 '1										
Total/NA	Analysis	6010B		1000			606355	12/27/22 19:23	LSS	EET PEN
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-26

Date Collected: 12/01/22 09:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-24

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	8260B		1	5 mL	5 mL	604214	12/09/22 18:57	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604505	12/10/22 06:26	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 '1										
Total/NA	Analysis	6010B		10			606127	12/22/22 16:47	LSS	EET PEN
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-27

Date Collected: 12/01/22 08:45

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 19:22	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604505	12/10/22 06:47	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 '1										
Total/NA	Analysis	6010B		100			606355	12/27/22 19:27	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-27

Date Collected: 12/01/22 08:45

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-28

Date Collected: 12/01/22 11:00

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 19:47	AGW	EET PEN
Total/NA	Analysis	9056		2	10 mL	10 mL	604505	12/10/22 07:07	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		10			606127	12/22/22 16:55	LSS	EET PEN
Total/NA	Analysis	120.1		1			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-29

Date Collected: 12/01/22 10:15

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 20:13	AGW	EET PEN
Total/NA	Analysis	9056		2	10 mL	10 mL	604505	12/10/22 08:10	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		10			606127	12/22/22 16:59	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-30S

Date Collected: 12/01/22 11:20

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 20:38	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	604656	12/13/22 15:54	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		10			606127	12/22/22 17:03	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: ACW-30D

Lab Sample ID: 400-229895-29

Date Collected: 12/01/22 10:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 21:03	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604935	12/15/22 15:28	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 17:07	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-32S

Lab Sample ID: 400-229895-30

Date Collected: 12/01/22 10:20

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 21:28	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604656	12/13/22 16:40	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		100			606355	12/27/22 19:31	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-32D

Lab Sample ID: 400-229895-31

Date Collected: 12/01/22 09:35

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 21:53	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604656	12/13/22 17:02	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 17:14	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: ENSR-01

Lab Sample ID: 400-229895-32

Date Collected: 12/01/22 08:25

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 22:18	AGW	EET PEN
Total/NA	Analysis	9056		200	10 mL	10 mL	604935	12/15/22 15:51	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 17:18	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ENSR-01

Date Collected: 12/01/22 08:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: PTP-01

Date Collected: 12/01/22 11:55

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 22:44	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604656	12/13/22 18:11	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		100			606355	12/27/22 19:34	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: DOOM WELL

Date Collected: 12/01/22 12:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 23:09	AGW	EET PEN
Total/NA	Analysis	9056		5	10 mL	10 mL	604656	12/13/22 18:34	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		10			606127	12/22/22 17:34	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: FMR OXY WELL

Date Collected: 12/01/22 12:20

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 12:20	AGW	EET PEN
Total/NA	Analysis	9056		50	10 mL	10 mL	604656	12/13/22 19:42	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44		
Total/NA	Analysis	6010B		10			606127	12/22/22 17:38	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Client Sample ID: EPNG-01

Lab Sample ID: 400-229895-36

Date Collected: 12/01/22 11:45

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 14:25	AGW	EET PEN
Total/NA	Analysis	9056		20	10 mL	10 mL	604656	12/13/22 20:05	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 ¹										
Total/NA	Analysis	6010B		10			606127	12/22/22 17:42	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-229895-37

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 14:45	AGW	EET PEN
Total/NA	Analysis	9056		100	10 mL	10 mL	604656	12/13/22 20:28	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 ¹										
Total/NA	Analysis	6010B		100			606355	12/27/22 19:46	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: DUP-02

Lab Sample ID: 400-229895-38

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 15:06	AGW	EET PEN
Total/NA	Analysis	9056		500	10 mL	10 mL	604935	12/15/22 16:14	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 ¹										
Total/NA	Analysis	6010B		100			606127	12/22/22 17:49	LSS	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: DUP-03

Lab Sample ID: 400-229895-39

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 15:27	AGW	EET PEN
Total/NA	Analysis	9056		2000	10 mL	10 mL	604935	12/15/22 16:37	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
Completed: 12/14/22 16:44 ¹										
Total/NA	Analysis	6010B		1000			606355	12/27/22 19:50	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: DUP-03

Lab Sample ID: 400-229895-39

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		2			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: DUP-04

Lab Sample ID: 400-229895-40

Date Collected: 12/01/22 10:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 15:48	AGW	EET PEN
Total/NA	Analysis	9056		10	10 mL	10 mL	604656	12/13/22 21:36	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604969	12/15/22 09:59	KWN	EET PEN
								Completed: 12/15/22 15:54		
Total/NA	Analysis	6010B		1			605486	12/16/22 12:32	BAW	EET PEN
Total/NA	Analysis	120.1		1			605613	12/20/22 09:22	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-229895-41

Date Collected: 12/01/22 12:00

Matrix: Water

Date Received: 12/03/22 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	604321	12/10/22 14:04	AGW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-603523/1

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	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-603752/1

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	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-603755/1

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	603755	12/06/22 15:41	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604123/19****Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1	10 mL	10 mL	604123	12/08/22 18:20	JAS	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604127/56****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	604127	12/09/22 07:11	JAS	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604196/4****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	8260B		1	5 mL	5 mL	604196	12/09/22 11:45	AGW	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604214/4****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	8260B		1	5 mL	5 mL	604214	12/09/22 13:04	AGW	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604321/4****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	8260B		1	5 mL	5 mL	604321	12/10/22 13:43	AGW	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604505/5****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	604505	12/09/22 23:50	JAS	EET PEN

Client Sample ID: Method Blank**Date Collected: N/A****Date Received: N/A****Lab Sample ID: MB 400-604656/5****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	604656	12/13/22 10:34	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604738/1-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	604738	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 15:25 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 14:13	LSS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604739/41

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	9056		1	10 mL	10 mL	604739	12/14/22 00:16	JAS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604743/77

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	604743	12/14/22 15:52	JAS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604771/25-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	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 12:41	LSS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604789/1-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	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 16:13	LSS	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604935/5

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	9056		1	10 mL	10 mL	604935	12/15/22 05:34	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-604969/1-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	604969	12/15/22 09:59	KWN	EET PEN
							Completed:	12/15/22 15:54		
Total/NA	Analysis	6010B		1			605486	12/16/22 12:09	BAW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-605557/1

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			605557	12/19/22 17:39	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-605613/1

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			605613	12/20/22 09:22	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-605706/1

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			605706	12/20/22 14:59	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-605788/17

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	605788	12/21/22 17:38	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-603523/2

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	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-603752/2

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	603752	12/06/22 15:33	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-603755/2

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	603755	12/06/22 15:41	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604123/21

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	604123	12/08/22 19:01	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604127/57

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	604127	12/09/22 07:31	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604196/1002

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	8260B		1	5 mL	5 mL	604196	12/09/22 10:38	AGW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604214/1002

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	8260B		1	5 mL	5 mL	604214	12/09/22 12:01	AGW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604321/1002

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	8260B		1	5 mL	5 mL	604321	12/10/22 10:40	AGW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604505/6

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	604505	12/10/22 00:11	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604656/6

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	604656	12/13/22 10:57	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604738/2-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	604738	12/14/22 09:34	JL	EET PEN
								Completed: 12/14/22 15:25 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 14:25	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604739/42

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	9056		1	10 mL	10 mL	604739	12/14/22 00:39	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604743/78

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1	10 mL	10 mL	604743	12/14/22 16:15	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604771/26-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	604771	12/15/22 10:56	JL	EET PEN
								Completed: 12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 12:53	LSS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604789/2-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	604789	12/14/22 11:49	JL	EET PEN
								Completed: 12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		1			606127	12/22/22 16:17	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604935/6

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	604935	12/15/22 05:57	JAS	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-604969/2-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	604969	12/15/22 09:59	KWN	EET PEN
							Completed:	12/15/22 15:54 ¹		
Total/NA	Analysis	6010B		1			605486	12/16/22 12:13	BAW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-605557/2

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			605557	12/19/22 17:39	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-605613/2

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			605613	12/20/22 09:22	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-605706/2

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			605706	12/20/22 14:59	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-605788/18

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	605788	12/21/22 18:01	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604123/22

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	604123	12/08/22 19:22	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604127/58

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	604127	12/09/22 07:52	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604505/7

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	604505	12/10/22 00:32	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604656/7

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	604656	12/13/22 11:20	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604739/43

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	604739	12/14/22 01:02	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604743/79

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1	10 mL	10 mL	604743	12/14/22 16:38	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-604935/7

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	604935	12/15/22 06:20	JAS	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-605788/19

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	605788	12/21/22 18:24	JAS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-01

Date Collected: 12/01/22 10:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-1 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	604738	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 15:25 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 14:32	LSS	EET PEN

Client Sample ID: ACW-01

Date Collected: 12/01/22 10:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-1 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	604738	12/14/22 09:34	JL	EET PEN
							Completed:	12/14/22 15:25 ¹		
Total/NA	Analysis	6010B		100			606127	12/22/22 14:36	LSS	EET PEN

Client Sample ID: ACW-04

Date Collected: 12/01/22 12:15

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-3 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	8260B		1	5 mL	5 mL	604196	12/09/22 13:50	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 01:47	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 18:44	LSS	EET PEN

Client Sample ID: ACW-04

Date Collected: 12/01/22 12:15

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-3 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	8260B		1	5 mL	5 mL	604196	12/09/22 14:15	AGW	EET PEN
Total/NA	Analysis	9056		2500	10 mL	10 mL	604739	12/14/22 02:11	JAS	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604771	12/15/22 10:56	JL	EET PEN
							Completed:	12/15/22 16:19 ¹		
Total/NA	Analysis	6010B		1000			606355	12/27/22 18:48	LSS	EET PEN

Client Sample ID: ACW-23

Date Collected: 12/01/22 11:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-21 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	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 16:51	AGW	EET PEN
Total/NA	Prep	3010A			50 mL	50 mL	604789	12/14/22 11:49	JL	EET PEN
							Completed:	12/14/22 16:44 ¹		
Total/NA	Analysis	6010B		10			606127	12/22/22 16:24	LSS	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: ACW-23

Date Collected: 12/01/22 11:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-21 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	Analysis	8260B		1	5 mL	5 mL	604214	12/09/22 17:16	AGW	EET PEN

Client Sample ID: FMR OXY WELL

Date Collected: 12/01/22 12:20

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-35 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	8260B		1	5 mL	5 mL	604321	12/10/22 12:40	AGW	EET PEN

Client Sample ID: FMR OXY WELL

Date Collected: 12/01/22 12:20

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-35 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	8260B		1	5 mL	5 mL	604321	12/10/22 13:01	AGW	EET PEN

Client Sample ID: ACW-01

Date Collected: 12/01/22 10:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-1 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			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	603523	12/05/22 15:02	VB	EET PEN

Client Sample ID: ACW-13

Date Collected: 12/01/22 11:45

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-11 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			605557	12/19/22 17:39	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-23

Date Collected: 12/01/22 11:25

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-21 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			605706	12/20/22 14:59	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	603752	12/06/22 15:33	VB	EET PEN

Client Sample ID: ACW-32D

Date Collected: 12/01/22 09:35

Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-31 DU

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	603755	12/06/22 15:41	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Client Sample ID: EPNG-01
Date Collected: 12/01/22 11:45
Date Received: 12/03/22 08:50

Lab Sample ID: 400-229895-36 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			605613	12/20/22 09:22	CAC	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

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QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

GC/MS VOA

Analysis Batch: 604196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	8260B	
400-229895-2	ACW-02A	Total/NA	Water	8260B	
400-229895-3	ACW-04	Total/NA	Water	8260B	
400-229895-4	ACW-05	Total/NA	Water	8260B	
400-229895-5	ACW-06	Total/NA	Water	8260B	
400-229895-6	ACW-07	Total/NA	Water	8260B	
400-229895-7	ACW-09	Total/NA	Water	8260B	
400-229895-8	ACW-10	Total/NA	Water	8260B	
400-229895-9	ACW-11	Total/NA	Water	8260B	
400-229895-10	ACW-12	Total/NA	Water	8260B	
400-229895-11	ACW-13	Total/NA	Water	8260B	
400-229895-12	ACW-14	Total/NA	Water	8260B	
400-229895-13	ACW-15	Total/NA	Water	8260B	
400-229895-14	ACW-16	Total/NA	Water	8260B	
400-229895-15	ACW-17	Total/NA	Water	8260B	
400-229895-16	ACW-18	Total/NA	Water	8260B	
400-229895-17	ACW-19	Total/NA	Water	8260B	
400-229895-18	ACW-20	Total/NA	Water	8260B	
400-229895-19	ACW-21	Total/NA	Water	8260B	
400-229895-20	ACW-22	Total/NA	Water	8260B	
MB 400-604196/4	Method Blank	Total/NA	Water	8260B	
LCS 400-604196/1002	Lab Control Sample	Total/NA	Water	8260B	
400-229895-3 MS	ACW-04	Total/NA	Water	8260B	
400-229895-3 MSD	ACW-04	Total/NA	Water	8260B	

Analysis Batch: 604214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-21	ACW-23	Total/NA	Water	8260B	
400-229895-22	ACW-24	Total/NA	Water	8260B	
400-229895-23	ACW-25	Total/NA	Water	8260B	
400-229895-24	ACW-26	Total/NA	Water	8260B	
400-229895-25	ACW-27	Total/NA	Water	8260B	
400-229895-26	ACW-28	Total/NA	Water	8260B	
400-229895-27	ACW-29	Total/NA	Water	8260B	
400-229895-28	ACW-30S	Total/NA	Water	8260B	
400-229895-29	ACW-30D	Total/NA	Water	8260B	
400-229895-30	ACW-32S	Total/NA	Water	8260B	
400-229895-31	ACW-32D	Total/NA	Water	8260B	
400-229895-32	ENSR-01	Total/NA	Water	8260B	
400-229895-33	PTP-01	Total/NA	Water	8260B	
400-229895-34	DOOM WELL	Total/NA	Water	8260B	
MB 400-604214/4	Method Blank	Total/NA	Water	8260B	
LCS 400-604214/1002	Lab Control Sample	Total/NA	Water	8260B	
400-229895-21 MS	ACW-23	Total/NA	Water	8260B	
400-229895-21 MSD	ACW-23	Total/NA	Water	8260B	

Analysis Batch: 604321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-35	FMR OXY WELL	Total/NA	Water	8260B	
400-229895-36	EPNG-01	Total/NA	Water	8260B	
400-229895-37	DUP-01	Total/NA	Water	8260B	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

GC/MS VOA (Continued)

Analysis Batch: 604321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-38	DUP-02	Total/NA	Water	8260B	
400-229895-39	DUP-03	Total/NA	Water	8260B	
400-229895-40	DUP-04	Total/NA	Water	8260B	
400-229895-41	TB-01	Total/NA	Water	8260B	
MB 400-604321/4	Method Blank	Total/NA	Water	8260B	
LCS 400-604321/1002	Lab Control Sample	Total/NA	Water	8260B	
400-229895-35 MS	FMR OXY WELL	Total/NA	Water	8260B	
400-229895-35 MSD	FMR OXY WELL	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 604123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	9056	
400-229895-2	ACW-02A	Total/NA	Water	9056	
400-229895-5	ACW-06	Total/NA	Water	9056	
400-229895-6	ACW-07	Total/NA	Water	9056	
MB 400-604123/19	Method Blank	Total/NA	Water	9056	
LCS 400-604123/21	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604123/22	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 604127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-12	ACW-14	Total/NA	Water	9056	
MB 400-604127/56	Method Blank	Total/NA	Water	9056	
LCS 400-604127/57	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604127/58	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 604505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-13	ACW-15	Total/NA	Water	9056	
400-229895-17	ACW-19	Total/NA	Water	9056	
400-229895-19	ACW-21	Total/NA	Water	9056	
400-229895-20	ACW-22	Total/NA	Water	9056	
400-229895-21	ACW-23	Total/NA	Water	9056	
400-229895-24	ACW-26	Total/NA	Water	9056	
400-229895-25	ACW-27	Total/NA	Water	9056	
400-229895-26	ACW-28	Total/NA	Water	9056	
400-229895-27	ACW-29	Total/NA	Water	9056	
MB 400-604505/5	Method Blank	Total/NA	Water	9056	
LCS 400-604505/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604505/7	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 604656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-28	ACW-30S	Total/NA	Water	9056	
400-229895-30	ACW-32S	Total/NA	Water	9056	
400-229895-31	ACW-32D	Total/NA	Water	9056	
400-229895-33	PTP-01	Total/NA	Water	9056	
400-229895-34	DOOM WELL	Total/NA	Water	9056	
400-229895-35	FMR OXY WELL	Total/NA	Water	9056	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

HPLC/IC (Continued)

Analysis Batch: 604656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-36	EPNG-01	Total/NA	Water	9056	
400-229895-37	DUP-01	Total/NA	Water	9056	
400-229895-40	DUP-04	Total/NA	Water	9056	
MB 400-604656/5	Method Blank	Total/NA	Water	9056	
LCS 400-604656/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604656/7	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 604739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-3	ACW-04	Total/NA	Water	9056	
400-229895-7	ACW-09	Total/NA	Water	9056	
400-229895-8	ACW-10	Total/NA	Water	9056	
400-229895-14	ACW-16	Total/NA	Water	9056	
400-229895-15	ACW-17	Total/NA	Water	9056	
400-229895-16	ACW-18	Total/NA	Water	9056	
400-229895-18	ACW-20	Total/NA	Water	9056	
400-229895-22	ACW-24	Total/NA	Water	9056	
400-229895-23	ACW-25	Total/NA	Water	9056	
MB 400-604739/41	Method Blank	Total/NA	Water	9056	
LCS 400-604739/42	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604739/43	Lab Control Sample Dup	Total/NA	Water	9056	
400-229895-3 MS	ACW-04	Total/NA	Water	9056	
400-229895-3 MSD	ACW-04	Total/NA	Water	9056	

Analysis Batch: 604743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-4	ACW-05	Total/NA	Water	9056	
400-229895-9	ACW-11	Total/NA	Water	9056	
400-229895-10	ACW-12	Total/NA	Water	9056	
MB 400-604743/77	Method Blank	Total/NA	Water	9056	
LCS 400-604743/78	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604743/79	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 604935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-29	ACW-30D	Total/NA	Water	9056	
400-229895-32	ENSR-01	Total/NA	Water	9056	
400-229895-38	DUP-02	Total/NA	Water	9056	
400-229895-39	DUP-03	Total/NA	Water	9056	
MB 400-604935/5	Method Blank	Total/NA	Water	9056	
LCS 400-604935/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-604935/7	Lab Control Sample Dup	Total/NA	Water	9056	

Analysis Batch: 605788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-11	ACW-13	Total/NA	Water	9056	
MB 400-605788/17	Method Blank	Total/NA	Water	9056	
LCS 400-605788/18	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-605788/19	Lab Control Sample Dup	Total/NA	Water	9056	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Metals

Prep Batch: 604738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	3010A	
MB 400-604738/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-604738/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-229895-1 MS	ACW-01	Total/NA	Water	3010A	
400-229895-1 MSD	ACW-01	Total/NA	Water	3010A	

Prep Batch: 604771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-2	ACW-02A	Total/NA	Water	3010A	
400-229895-3	ACW-04	Total/NA	Water	3010A	
400-229895-4	ACW-05	Total/NA	Water	3010A	
400-229895-5	ACW-06	Total/NA	Water	3010A	
400-229895-6	ACW-07	Total/NA	Water	3010A	
400-229895-7	ACW-09	Total/NA	Water	3010A	
400-229895-8	ACW-10	Total/NA	Water	3010A	
400-229895-9	ACW-11	Total/NA	Water	3010A	
400-229895-10	ACW-12	Total/NA	Water	3010A	
400-229895-11	ACW-13	Total/NA	Water	3010A	
400-229895-12	ACW-14	Total/NA	Water	3010A	
400-229895-13	ACW-15	Total/NA	Water	3010A	
400-229895-14	ACW-16	Total/NA	Water	3010A	
400-229895-15	ACW-17	Total/NA	Water	3010A	
400-229895-16	ACW-18	Total/NA	Water	3010A	
400-229895-17	ACW-19	Total/NA	Water	3010A	
400-229895-18	ACW-20	Total/NA	Water	3010A	
400-229895-19	ACW-21	Total/NA	Water	3010A	
400-229895-20	ACW-22	Total/NA	Water	3010A	
MB 400-604771/25-A	Method Blank	Total/NA	Water	3010A	
LCS 400-604771/26-A	Lab Control Sample	Total/NA	Water	3010A	
400-229895-3 MS	ACW-04	Total/NA	Water	3010A	
400-229895-3 MSD	ACW-04	Total/NA	Water	3010A	

Prep Batch: 604789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-21	ACW-23	Total/NA	Water	3010A	
400-229895-22	ACW-24	Total/NA	Water	3010A	
400-229895-23	ACW-25	Total/NA	Water	3010A	
400-229895-24	ACW-26	Total/NA	Water	3010A	
400-229895-25	ACW-27	Total/NA	Water	3010A	
400-229895-26	ACW-28	Total/NA	Water	3010A	
400-229895-27	ACW-29	Total/NA	Water	3010A	
400-229895-28	ACW-30S	Total/NA	Water	3010A	
400-229895-29	ACW-30D	Total/NA	Water	3010A	
400-229895-30	ACW-32S	Total/NA	Water	3010A	
400-229895-31	ACW-32D	Total/NA	Water	3010A	
400-229895-32	ENSR-01	Total/NA	Water	3010A	
400-229895-33	PTP-01	Total/NA	Water	3010A	
400-229895-34	DOOM WELL	Total/NA	Water	3010A	
400-229895-35	FMR OXY WELL	Total/NA	Water	3010A	
400-229895-36	EPNG-01	Total/NA	Water	3010A	
400-229895-37	DUP-01	Total/NA	Water	3010A	

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QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Metals (Continued)

Prep Batch: 604789 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-38	DUP-02	Total/NA	Water	3010A	
400-229895-39	DUP-03	Total/NA	Water	3010A	
MB 400-604789/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-604789/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-229895-21 MS	ACW-23	Total/NA	Water	3010A	

Prep Batch: 604969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-40	DUP-04	Total/NA	Water	3010A	
MB 400-604969/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-604969/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 605486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-40	DUP-04	Total/NA	Water	6010B	604969
MB 400-604969/1-A	Method Blank	Total/NA	Water	6010B	604969
LCS 400-604969/2-A	Lab Control Sample	Total/NA	Water	6010B	604969

Analysis Batch: 606127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	6010B	604738
400-229895-2	ACW-02A	Total/NA	Water	6010B	604771
400-229895-4	ACW-05	Total/NA	Water	6010B	604771
400-229895-5	ACW-06	Total/NA	Water	6010B	604771
400-229895-7	ACW-09	Total/NA	Water	6010B	604771
400-229895-8	ACW-10	Total/NA	Water	6010B	604771
400-229895-10	ACW-12	Total/NA	Water	6010B	604771
400-229895-12	ACW-14	Total/NA	Water	6010B	604771
400-229895-14	ACW-16	Total/NA	Water	6010B	604771
400-229895-19	ACW-21	Total/NA	Water	6010B	604771
400-229895-20	ACW-22	Total/NA	Water	6010B	604771
400-229895-21	ACW-23	Total/NA	Water	6010B	604789
400-229895-22	ACW-24	Total/NA	Water	6010B	604789
400-229895-24	ACW-26	Total/NA	Water	6010B	604789
400-229895-26	ACW-28	Total/NA	Water	6010B	604789
400-229895-27	ACW-29	Total/NA	Water	6010B	604789
400-229895-28	ACW-30S	Total/NA	Water	6010B	604789
400-229895-29	ACW-30D	Total/NA	Water	6010B	604789
400-229895-31	ACW-32D	Total/NA	Water	6010B	604789
400-229895-32	ENSR-01	Total/NA	Water	6010B	604789
400-229895-34	DOOM WELL	Total/NA	Water	6010B	604789
400-229895-35	FMR OXY WELL	Total/NA	Water	6010B	604789
400-229895-36	EPNG-01	Total/NA	Water	6010B	604789
400-229895-38	DUP-02	Total/NA	Water	6010B	604789
MB 400-604738/1-A	Method Blank	Total/NA	Water	6010B	604738
MB 400-604771/25-A	Method Blank	Total/NA	Water	6010B	604771
MB 400-604789/1-A	Method Blank	Total/NA	Water	6010B	604789
LCS 400-604738/2-A	Lab Control Sample	Total/NA	Water	6010B	604738
LCS 400-604771/26-A	Lab Control Sample	Total/NA	Water	6010B	604771
LCS 400-604789/2-A	Lab Control Sample	Total/NA	Water	6010B	604789
400-229895-1 MS	ACW-01	Total/NA	Water	6010B	604738

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QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Metals (Continued)

Analysis Batch: 606127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1 MSD	ACW-01	Total/NA	Water	6010B	604738
400-229895-21 MS	ACW-23	Total/NA	Water	6010B	604789

Analysis Batch: 606355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-3	ACW-04	Total/NA	Water	6010B	604771
400-229895-6	ACW-07	Total/NA	Water	6010B	604771
400-229895-9	ACW-11	Total/NA	Water	6010B	604771
400-229895-11	ACW-13	Total/NA	Water	6010B	604771
400-229895-13	ACW-15	Total/NA	Water	6010B	604771
400-229895-15	ACW-17	Total/NA	Water	6010B	604771
400-229895-16	ACW-18	Total/NA	Water	6010B	604771
400-229895-17	ACW-19	Total/NA	Water	6010B	604771
400-229895-18	ACW-20	Total/NA	Water	6010B	604771
400-229895-23	ACW-25	Total/NA	Water	6010B	604789
400-229895-25	ACW-27	Total/NA	Water	6010B	604789
400-229895-30	ACW-32S	Total/NA	Water	6010B	604789
400-229895-33	PTP-01	Total/NA	Water	6010B	604789
400-229895-37	DUP-01	Total/NA	Water	6010B	604789
400-229895-39	DUP-03	Total/NA	Water	6010B	604789
400-229895-3 MS	ACW-04	Total/NA	Water	6010B	604771
400-229895-3 MSD	ACW-04	Total/NA	Water	6010B	604771

General Chemistry

Analysis Batch: 603523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	SM 2540C	
400-229895-2	ACW-02A	Total/NA	Water	SM 2540C	
400-229895-3	ACW-04	Total/NA	Water	SM 2540C	
400-229895-4	ACW-05	Total/NA	Water	SM 2540C	
400-229895-5	ACW-06	Total/NA	Water	SM 2540C	
400-229895-6	ACW-07	Total/NA	Water	SM 2540C	
400-229895-7	ACW-09	Total/NA	Water	SM 2540C	
400-229895-8	ACW-10	Total/NA	Water	SM 2540C	
400-229895-9	ACW-11	Total/NA	Water	SM 2540C	
400-229895-10	ACW-12	Total/NA	Water	SM 2540C	
MB 400-603523/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-603523/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-229895-1 DU	ACW-01	Total/NA	Water	SM 2540C	

Analysis Batch: 603752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-11	ACW-13	Total/NA	Water	SM 2540C	
400-229895-12	ACW-14	Total/NA	Water	SM 2540C	
400-229895-13	ACW-15	Total/NA	Water	SM 2540C	
400-229895-14	ACW-16	Total/NA	Water	SM 2540C	
400-229895-15	ACW-17	Total/NA	Water	SM 2540C	
400-229895-16	ACW-18	Total/NA	Water	SM 2540C	
400-229895-17	ACW-19	Total/NA	Water	SM 2540C	
400-229895-18	ACW-20	Total/NA	Water	SM 2540C	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

General Chemistry (Continued)

Analysis Batch: 603752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-19	ACW-21	Total/NA	Water	SM 2540C	
400-229895-20	ACW-22	Total/NA	Water	SM 2540C	
400-229895-21	ACW-23	Total/NA	Water	SM 2540C	
400-229895-22	ACW-24	Total/NA	Water	SM 2540C	
400-229895-23	ACW-25	Total/NA	Water	SM 2540C	
400-229895-24	ACW-26	Total/NA	Water	SM 2540C	
400-229895-25	ACW-27	Total/NA	Water	SM 2540C	
400-229895-26	ACW-28	Total/NA	Water	SM 2540C	
400-229895-27	ACW-29	Total/NA	Water	SM 2540C	
400-229895-28	ACW-30S	Total/NA	Water	SM 2540C	
400-229895-29	ACW-30D	Total/NA	Water	SM 2540C	
400-229895-30	ACW-32S	Total/NA	Water	SM 2540C	
MB 400-603752/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-603752/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-229895-11 DU	ACW-13	Total/NA	Water	SM 2540C	
400-229895-21 DU	ACW-23	Total/NA	Water	SM 2540C	

Analysis Batch: 603755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-31	ACW-32D	Total/NA	Water	SM 2540C	
400-229895-32	ENSR-01	Total/NA	Water	SM 2540C	
400-229895-33	PTP-01	Total/NA	Water	SM 2540C	
400-229895-34	DOOM WELL	Total/NA	Water	SM 2540C	
400-229895-35	FMR OXY WELL	Total/NA	Water	SM 2540C	
400-229895-36	EPNG-01	Total/NA	Water	SM 2540C	
400-229895-37	DUP-01	Total/NA	Water	SM 2540C	
400-229895-38	DUP-02	Total/NA	Water	SM 2540C	
400-229895-39	DUP-03	Total/NA	Water	SM 2540C	
400-229895-40	DUP-04	Total/NA	Water	SM 2540C	
MB 400-603755/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-603755/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-229895-31 DU	ACW-32D	Total/NA	Water	SM 2540C	

Analysis Batch: 605557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-1	ACW-01	Total/NA	Water	120.1	
400-229895-2	ACW-02A	Total/NA	Water	120.1	
400-229895-3	ACW-04	Total/NA	Water	120.1	
400-229895-4	ACW-05	Total/NA	Water	120.1	
400-229895-5	ACW-06	Total/NA	Water	120.1	
400-229895-6	ACW-07	Total/NA	Water	120.1	
400-229895-7	ACW-09	Total/NA	Water	120.1	
400-229895-8	ACW-10	Total/NA	Water	120.1	
400-229895-9	ACW-11	Total/NA	Water	120.1	
400-229895-10	ACW-12	Total/NA	Water	120.1	
400-229895-11	ACW-13	Total/NA	Water	120.1	
400-229895-12	ACW-14	Total/NA	Water	120.1	
400-229895-13	ACW-15	Total/NA	Water	120.1	
400-229895-14	ACW-16	Total/NA	Water	120.1	
400-229895-15	ACW-17	Total/NA	Water	120.1	
400-229895-16	ACW-18	Total/NA	Water	120.1	

Eurofins Pensacola

QC Association Summary

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

General Chemistry (Continued)

Analysis Batch: 605557 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-17	ACW-19	Total/NA	Water	120.1	
400-229895-18	ACW-20	Total/NA	Water	120.1	
400-229895-19	ACW-21	Total/NA	Water	120.1	
400-229895-20	ACW-22	Total/NA	Water	120.1	
MB 400-605557/1	Method Blank	Total/NA	Water	120.1	
LCS 400-605557/2	Lab Control Sample	Total/NA	Water	120.1	
400-229895-1 DU	ACW-01	Total/NA	Water	120.1	
400-229895-11 DU	ACW-13	Total/NA	Water	120.1	

Analysis Batch: 605613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-27	ACW-29	Total/NA	Water	120.1	
400-229895-28	ACW-30S	Total/NA	Water	120.1	
400-229895-29	ACW-30D	Total/NA	Water	120.1	
400-229895-30	ACW-32S	Total/NA	Water	120.1	
400-229895-31	ACW-32D	Total/NA	Water	120.1	
400-229895-32	ENSR-01	Total/NA	Water	120.1	
400-229895-33	PTP-01	Total/NA	Water	120.1	
400-229895-34	DOOM WELL	Total/NA	Water	120.1	
400-229895-35	FMR OXY WELL	Total/NA	Water	120.1	
400-229895-36	EPNG-01	Total/NA	Water	120.1	
400-229895-37	DUP-01	Total/NA	Water	120.1	
400-229895-38	DUP-02	Total/NA	Water	120.1	
400-229895-39	DUP-03	Total/NA	Water	120.1	
400-229895-40	DUP-04	Total/NA	Water	120.1	
MB 400-605613/1	Method Blank	Total/NA	Water	120.1	
LCS 400-605613/2	Lab Control Sample	Total/NA	Water	120.1	
400-229895-36 DU	EPNG-01	Total/NA	Water	120.1	

Analysis Batch: 605706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-229895-21	ACW-23	Total/NA	Water	120.1	
400-229895-22	ACW-24	Total/NA	Water	120.1	
400-229895-23	ACW-25	Total/NA	Water	120.1	
400-229895-24	ACW-26	Total/NA	Water	120.1	
400-229895-25	ACW-27	Total/NA	Water	120.1	
400-229895-26	ACW-28	Total/NA	Water	120.1	
MB 400-605706/1	Method Blank	Total/NA	Water	120.1	
LCS 400-605706/2	Lab Control Sample	Total/NA	Water	120.1	
400-229895-21 DU	ACW-23	Total/NA	Water	120.1	

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QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-604196/4

Matrix: Water

Analysis Batch: 604196

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			12/09/22 11:45	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 11:45	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 11:45	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 119		12/09/22 11:45	1
Dibromofluoromethane	86		75 - 126		12/09/22 11:45	1
Toluene-d8 (Surr)	109		64 - 132		12/09/22 11:45	1

Lab Sample ID: LCS 400-604196/1002

Matrix: Water

Analysis Batch: 604196

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	0.0497		mg/L		99	70 - 130
Toluene	0.0500	0.0544		mg/L		109	70 - 130
Ethylbenzene	0.0500	0.0555		mg/L		111	70 - 130
Xylenes, Total	0.100	0.104		mg/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		72 - 119
Dibromofluoromethane	87		75 - 126
Toluene-d8 (Surr)	106		64 - 132

Lab Sample ID: 400-229895-3 MS

Matrix: Water

Analysis Batch: 604196

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
Benzene	0.030		0.0500	0.0807		mg/L		101	56 - 142
Toluene	0.00072	J	0.0500	0.0501		mg/L		99	65 - 130
Ethylbenzene	0.0041		0.0500	0.0541		mg/L		100	58 - 131
Xylenes, Total	0.0055	J	0.100	0.0987		mg/L		93	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 119
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Lab Sample ID: 400-229895-3 MSD

Matrix: Water

Analysis Batch: 604196

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	Limit
Benzene	0.030		0.0500	0.0804		mg/L		100	56 - 142	0	30
Toluene	0.00072	J	0.0500	0.0479		mg/L		94	65 - 130	4	30
Ethylbenzene	0.0041		0.0500	0.0519		mg/L		96	58 - 131	4	30

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

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

Lab Sample ID: 400-229895-3 MSD

Client Sample ID: ACW-04

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	0.0055	J	0.100	0.0940		mg/L		88	59 - 130	5	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	101		72 - 119								
Dibromofluoromethane	93		75 - 126								
Toluene-d8 (Surr)	103		64 - 132								

Lab Sample ID: MB 400-604214/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/09/22 13:04	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/09/22 13:04	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/09/22 13:04	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/09/22 13:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					12/09/22 13:04	1
Dibromofluoromethane	99		75 - 126					12/09/22 13:04	1
Toluene-d8 (Surr)	98		64 - 132					12/09/22 13:04	1

Lab Sample ID: LCS 400-604214/1002

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0580		mg/L		116	70 - 130
Toluene	0.0500	0.0563		mg/L		113	70 - 130
Ethylbenzene	0.0500	0.0562		mg/L		112	70 - 130
Xylenes, Total	0.100	0.111		mg/L		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	91		72 - 119				
Dibromofluoromethane	94		75 - 126				
Toluene-d8 (Surr)	96		64 - 132				

Lab Sample ID: 400-229895-21 MS

Client Sample ID: ACW-23

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00013		0.0500	0.0532		mg/L		106	56 - 142
Toluene	<0.00041		0.0500	0.0472		mg/L		94	65 - 130
Ethylbenzene	<0.00050		0.0500	0.0395		mg/L		79	58 - 131
Xylenes, Total	<0.0016		0.100	0.0793		mg/L		79	59 - 130

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

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

Lab Sample ID: 400-229895-21 MS

Client Sample ID: ACW-23

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604214

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		72 - 119
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	98		64 - 132

Lab Sample ID: 400-229895-21 MSD

Client Sample ID: ACW-23

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00013		0.0500	0.0523		mg/L		105	56 - 142	2	30
Toluene	<0.00041		0.0500	0.0466		mg/L		93	65 - 130	1	30
Ethylbenzene	<0.00050		0.0500	0.0405		mg/L		81	58 - 131	3	30
Xylenes, Total	<0.0016		0.100	0.0810		mg/L		81	59 - 130	2	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		72 - 119
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	97		64 - 132

Lab Sample ID: MB 400-604321/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00013		0.0010	0.00013	mg/L			12/10/22 13:43	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/22 13:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/22 13:43	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/22 13:43	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene	91		72 - 119		12/10/22 13:43	1			
Dibromofluoromethane	100		75 - 126		12/10/22 13:43	1			
Toluene-d8 (Surr)	99		64 - 132		12/10/22 13:43	1			

Lab Sample ID: LCS 400-604321/1002

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 604321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0482		mg/L		96	70 - 130
Toluene	0.0500	0.0456		mg/L		91	70 - 130
Ethylbenzene	0.0500	0.0466		mg/L		93	70 - 130
Xylenes, Total	0.100	0.0905		mg/L		91	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	87		72 - 119
Dibromofluoromethane	104		75 - 126

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

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

Lab Sample ID: LCS 400-604321/1002

Matrix: Water

Analysis Batch: 604321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	94		64 - 132

Lab Sample ID: 400-229895-35 MS

Matrix: Water

Analysis Batch: 604321

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	0.00056	J	0.0500	0.0512		mg/L		101	56 - 142
Toluene	<0.00041		0.0500	0.0490		mg/L		98	65 - 130
Ethylbenzene	<0.00050		0.0500	0.0491		mg/L		98	58 - 131
Xylenes, Total	<0.0016		0.100	0.0964		mg/L		96	59 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	85		72 - 119
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	94		64 - 132

Lab Sample ID: 400-229895-35 MSD

Matrix: Water

Analysis Batch: 604321

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	0.00056	J	0.0500	0.0505		mg/L		100	56 - 142	1	30
Toluene	<0.00041		0.0500	0.0464		mg/L		93	65 - 130	6	30
Ethylbenzene	<0.00050		0.0500	0.0435		mg/L		87	58 - 131	12	30
Xylenes, Total	<0.0016		0.100	0.0850		mg/L		85	59 - 130	13	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	87		72 - 119
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	95		64 - 132

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-604123/19

Matrix: Water

Analysis Batch: 604123

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			12/08/22 18:20	1

Lab Sample ID: LCS 400-604123/21

Matrix: Water

Analysis Batch: 604123

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	9.69		mg/L		97	90 - 110

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-604123/22

Matrix: Water

Analysis Batch: 604123

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	9.71		mg/L		97	90 - 110	0	15

Lab Sample ID: MB 400-604127/56

Matrix: Water

Analysis Batch: 604127

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			12/09/22 07:11	1

Lab Sample ID: LCS 400-604127/57

Matrix: Water

Analysis Batch: 604127

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	9.89		mg/L		99	90 - 110		

Lab Sample ID: LCSD 400-604127/58

Matrix: Water

Analysis Batch: 604127

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: MB 400-604505/5

Matrix: Water

Analysis Batch: 604505

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			12/09/22 23:50	1

Lab Sample ID: LCS 400-604505/6

Matrix: Water

Analysis Batch: 604505

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	9.58		mg/L		96	90 - 110		

Lab Sample ID: LCSD 400-604505/7

Matrix: Water

Analysis Batch: 604505

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	9.56		mg/L		96	90 - 110	0	15

Lab Sample ID: MB 400-604656/5

Matrix: Water

Analysis Batch: 604656

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			12/13/22 10:34	1

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: LCS 400-604656/6

Matrix: Water

Analysis Batch: 604656

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	9.79		mg/L		98	90 - 110

Lab Sample ID: LCSD 400-604656/7

Matrix: Water

Analysis Batch: 604656

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	9.78		mg/L		98	90 - 110	0	15

Lab Sample ID: MB 400-604739/41

Matrix: Water

Analysis Batch: 604739

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			12/14/22 00:16	1

Lab Sample ID: LCS 400-604739/42

Matrix: Water

Analysis Batch: 604739

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	9.91		mg/L		99	90 - 110

Lab Sample ID: LCSD 400-604739/43

Matrix: Water

Analysis Batch: 604739

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	9.77		mg/L		98	90 - 110	1	15

Lab Sample ID: 400-229895-3 MS

Matrix: Water

Analysis Batch: 604739

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
Chloride	61000		25000	86400		mg/L		100	80 - 120

Lab Sample ID: 400-229895-3 MSD

Matrix: Water

Analysis Batch: 604739

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
Chloride	61000		25000	86000		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 400-604743/77

Matrix: Water

Analysis Batch: 604743

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			12/14/22 15:52	1

Eurofins Pensacola

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: LCS 400-604743/78

Matrix: Water

Analysis Batch: 604743

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 400-604743/79

Matrix: Water

Analysis Batch: 604743

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	9.76		mg/L		98	90 - 110	1	15

Lab Sample ID: MB 400-604935/5

Matrix: Water

Analysis Batch: 604935

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			12/15/22 05:34	1

Lab Sample ID: LCS 400-604935/6

Matrix: Water

Analysis Batch: 604935

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	9.28		mg/L		93	90 - 110

Lab Sample ID: LCSD 400-604935/7

Matrix: Water

Analysis Batch: 604935

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	9.25		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 400-605788/17

Matrix: Water

Analysis Batch: 605788

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			12/21/22 17:38	1

Lab Sample ID: LCS 400-605788/18

Matrix: Water

Analysis Batch: 605788

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	9.79		mg/L		98	90 - 110

Lab Sample ID: LCSD 400-605788/19

Matrix: Water

Analysis Batch: 605788

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	9.70		mg/L		97	90 - 110	1	15

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-604738/1-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		12/14/22 09:34	12/22/22 14:13	1

Lab Sample ID: LCS 400-604738/2-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.6		mg/L		105	80 - 120

Lab Sample ID: 400-229895-1 MS

Matrix: Water

Analysis Batch: 606127

Client Sample ID: ACW-01

Prep Type: Total/NA

Prep Batch: 604738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	1800		10.0	2060	4	mg/L		2950	75 - 125

Lab Sample ID: 400-229895-1 MSD

Matrix: Water

Analysis Batch: 606127

Client Sample ID: ACW-01

Prep Type: Total/NA

Prep Batch: 604738

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	1800		10.0	2000	4	mg/L		2394	75 - 125	3	20

Lab Sample ID: MB 400-604771/25-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		12/15/22 10:56	12/22/22 12:41	1

Lab Sample ID: LCS 400-604771/26-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: 400-229895-3 MS

Matrix: Water

Analysis Batch: 606355

Client Sample ID: ACW-04

Prep Type: Total/NA

Prep Batch: 604771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	45000		10.0	44100	4	mg/L		-8936	75 - 125

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 400-229895-3 MSD

Matrix: Water

Analysis Batch: 606355

Client Sample ID: ACW-04

Prep Type: Total/NA

Prep Batch: 604771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	45000		10.0	43600	4	mg/L		-1311 3	75 - 125	1	20

Lab Sample ID: MB 400-604789/1-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		12/14/22 11:49	12/22/22 16:13	1

Lab Sample ID: LCS 400-604789/2-A

Matrix: Water

Analysis Batch: 606127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: 400-229895-21 MS

Matrix: Water

Analysis Batch: 606127

Client Sample ID: ACW-23

Prep Type: Total/NA

Prep Batch: 604789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	160	F2	10.0	223	4	mg/L		666	75 - 125

Lab Sample ID: MB 400-604969/1-A

Matrix: Water

Analysis Batch: 605486

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		12/15/22 09:59	12/16/22 12:09	1

Lab Sample ID: LCS 400-604969/2-A

Matrix: Water

Analysis Batch: 605486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	9.13		mg/L		91	80 - 120

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-605557/1

Matrix: Water

Analysis Batch: 605557

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			12/19/22 17:39	1

Eurofins Pensacola

QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 400-605557/2

Matrix: Water

Analysis Batch: 605557

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	10.0		umhos/cm		100	98 - 102

Lab Sample ID: 400-229895-1 DU

Matrix: Water

Analysis Batch: 605557

Client Sample ID: ACW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	19000		19000		umhos/cm		1	2

Lab Sample ID: 400-229895-11 DU

Matrix: Water

Analysis Batch: 605557

Client Sample ID: ACW-13

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	5300		5260		umhos/cm		0.4	2

Lab Sample ID: MB 400-605613/1

Matrix: Water

Analysis Batch: 605613

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			12/20/22 09:22	1

Lab Sample ID: LCS 400-605613/2

Matrix: Water

Analysis Batch: 605613

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	9.95		umhos/cm		100	98 - 102

Lab Sample ID: 400-229895-36 DU

Matrix: Water

Analysis Batch: 605613

Client Sample ID: EPNG-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	760		766		umhos/cm		0.4	2

Lab Sample ID: MB 400-605706/1

Matrix: Water

Analysis Batch: 605706

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			12/20/22 14:59	1

Lab Sample ID: LCS 400-605706/2

Matrix: Water

Analysis Batch: 605706

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	10.0		umhos/cm		100	98 - 102

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QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q22

Job ID: 400-229895-1

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: 400-229895-21 DU

Matrix: Water

Analysis Batch: 605706

Client Sample ID: ACW-23

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	3200		3190		umhos/cm		0.9	2

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

Lab Sample ID: MB 400-603523/1

Matrix: Water

Analysis Batch: 603523

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			12/05/22 15:02	1

Lab Sample ID: LCS 400-603523/2

Matrix: Water

Analysis Batch: 603523

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	310		mg/L		106	78 - 122

Lab Sample ID: 400-229895-1 DU

Matrix: Water

Analysis Batch: 603523

Client Sample ID: ACW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	11000		10900		mg/L		1	5

Lab Sample ID: MB 400-603752/1

Matrix: Water

Analysis Batch: 603752

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			12/06/22 15:33	1

Lab Sample ID: LCS 400-603752/2

Matrix: Water

Analysis Batch: 603752

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	330		mg/L		113	78 - 122

Lab Sample ID: 400-229895-11 DU

Matrix: Water

Analysis Batch: 603752

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	3500		3630		mg/L		3	5

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QC Sample Results

Client: AECOM

Job ID: 400-229895-1

Project/Site: Jal #4 Gas Plant 4Q22

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

Lab Sample ID: 400-229895-21 DU

Matrix: Water

Analysis Batch: 603752

Client Sample ID: ACW-23

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2100		2370	F3	mg/L		14	5

Lab Sample ID: MB 400-603755/1

Matrix: Water

Analysis Batch: 603755

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			12/06/22 15:41	1

Lab Sample ID: LCS 400-603755/2

Matrix: Water

Analysis Batch: 603755

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	304		mg/L		104	78 - 122

Lab Sample ID: 400-229895-31 DU

Matrix: Water

Analysis Batch: 603755

Client Sample ID: ACW-32D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	830		944	F3	mg/L		13	5

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Eurofins Pensacola

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

Chain of Custody Record



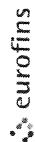
E-MAIL: E.O. 12812

Client Information 3355 McLemore Drive Pensacola, FL 32514 Phone: 850-474-1001 Fax: 850-478-2671		Sampler: Scott Wade + 4441 Team Lab PM: Whitmire, Cheyenne R Phone: 832-347-4521 E-Mail: Cheyenne.Whitmire@et.eurofins.com		Carrier Tracking No(s): State of Origin: NM		COC No: 400-115160-37797.5 Page: 1 Page 5 of 5 Job #:					
Company: AECOM Address: 19219 Katy Freeway Suite 100 City: Houston State, Zip: TX, 77094 Phone: 713-520-990(Tel) 713-520-680(Fax) Email: wallace.gilmore@aecom.com Project Name: Jal #4 Gas Plant 4th Quarter Site:		PWSID: Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: 40012867 Project #: 40012867 SSOW#:		Analysis Requested Perform MS/MSD (Yes or No) ☒ Field Filtered Sample (Yes or No) ☒ 120.1 - Specific Conductance ☒ 6010B - Sodium ☒ 9056_ORGFM_28D - Chloride ☒ 8260B - BTEX ☒ 2540C - TDS ☒				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-01 ACW-02A ACW-04 ACW-05 ACW-06 ACW-07 ACW-09 ACW-10 ACW-11 ACW-12 ACW-13		Sample Date 12/1/22 12/1/22 12/1/22 12/1/22 9/30 9/15 9/15 10/5 9/45 8/45 11/45		Sample Type G G G G G G G G G G		Matrix Water Water Water Water Water Water Water Water Water Water		Total Number of Containers 1 1 1 1 1 1 1 1 1 1 1		Special Instructions/Note: 400-229895 COC	
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:								Method of Shipment: FEDEX			
Relinquished by:								Received by:			
Relinquished by:								Received by:			
Relinquished by:								Received by:			
Custody Seals Intact: ☒ Yes ☐ No								Cooler Temperature(s) °C and Other Remarks: 12-3-22/850 1.8 0.8 2.1 0.9 1.9 1.9°C			

Ver: 06/08/2021

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

Chain of Custody Record



Client Information		Sampler: <u>Scatt Wade + Hm Team</u>		Lab PM: <u>Whitmire, Cheyenne R</u>		Carrier Tracking No(s): <u>400-1115160-37797.2</u>	
Client Contact: <u>Mr. Wallace Gilmore</u>		Phone: <u>832-347-4521</u>		E-Mail: <u>Cheyenne.Whitmire@etecofinsins.com</u>		State of Origin: <u>NM</u>	
Company: <u>AECOM</u>		PWSID: _____		Analysis Requested		Job #: _____	
Address: <u>19219 Katy Freeway Suite 100</u>		Due Date Requested: _____		Total Number of Containers: _____		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: _____	
City: <u>Houston</u>		TAT Requested (days): _____		2540C - TDS		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
State, Zip: <u>TX, 77094</u>		Compliance Project: <u>Δ Yes Δ No</u>		9056 ORFM 28D - Chloride			
Phone: <u>713-520-990(Tel) 713-520-680(Fax)</u>		PO #: <u>WD1040015</u>		6010B - Sodium			
Email: <u>wallace.gilmore@aecom.com</u>		WO #: _____		120.1 - Specific Conductance			
Project Name: <u>Jal #4 Gas Plant 4th Quarter</u>		Project #: <u>40012867</u>		Perform MS/MSD (Yes or No)			
Site: _____		SSOW#: _____		Field Filtered Sample (Yes or No)			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=bitumen, A=ask)	Preservation Code	Special Instructions/Note:
12 ACW-14	12/1/22	1055	G	Water			
13 ACW-15		1230		Water			
14 ACW-16		925		Water			
15 ACW-17		1155		Water			
16 ACW-18		1115		Water			
17 ACW-19		1115		Water			
18 ACW-20		1025		Water			
19 ACW-21		905		Water			
20 ACW-22		1000		Water			
21 ACW-23		1125		Water			
22 ACW-24		845		Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological							
Deliverable Requested: I, II, III, IV, Other (specify) _____							
Empty Kit Relinquished by: _____ Date: _____ Time: _____							
Relinquished by: <u>W</u> Date/Time: <u>12/1/22 1340</u> Company: <u>Hm</u> Received by: _____ Date/Time: _____ Company: _____							
Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____							
Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____							
Custody Seals Intact: <u>Yes</u> <u>Δ</u> <u>No</u> Custody Seal 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

eurofins

Client Information Client Contact: Mr. Wallace Gilmore Company: AECOM Address: 19219 Katy Freeway Suite 100 City: Houston State: TX Zip: 77094 Phone: 713-520-9900(Tel) 713-520-6800(Fax) Email: wallace.gilmore@aecom.com Project Name: Jal #4 Gas Plant 4th Quarter Site:		Sampler: Scott Wade + HM1 Team Phone: 832-347-4521 PWSID:		Lab PM: Whitmire, Cheyenne R E-Mail: Cheyenne.Whitmire@et.eurofinsus.com		Carrier Tracking No(s): State of Origin: NM Page 3 of 4 Job #:		COC No: 400-115160-37797.3					
Analysis Requested													
Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: WD1040015 WO #: 40012867 Project #: 40012867 SSOW#:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 120.1 - Specific Conductance 6010B - Sodium 9056 ORGFM 28D - Chloride 8260B - BTEX 2540C - TDS		Preservation Codes: A - HCL B - NaOH C - AsNaO2 D - Zn Acetate E - Nitric Acid F - NaHSO4 G - MeOH H - Amchlor I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: 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		Sample Date		Sample Time		Sample Type (C=Comp, G=grab) Preservation Code:		Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 120.1 - Specific Conductance 6010B - Sodium 9056 ORGFM 28D - Chloride 8260B - BTEX 2540C - TDS		Special Instructions/Note:	
ACW-25		12/1/22		950		G		Water		N		N	
ACW-26				925				Water		N		N	
ACW-27				845				Water		N		N	
ACW-28				1100				Water		N		N	
ACW-29				1015				Water		N		N	
ACW-30S				1120				Water		N		N	
ACW-30D				1025				Water		N		N	
ACW-32S				1020				Water		N		N	
ACW-32D				935				Water		N		N	
ENSR-01				825				Water		N		N	
PTP-01				1155				Water		N		N	
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:										Method of Shipment: FedEx			
Relinquished by:										Date/Time:			
Relinquished by:										Date/Time:			
Relinquished by:										Date/Time:			
Custody Seals Intact: ☐ Yes ☒ No										Cooler Temperature(s) °C and Other Remarks:			

Ver: 06/08/2021

Eurofins Pensacola

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

Chain of Custody Record



6 10 11 12 13 14 15

Client Information		Sampler: <u>Scott Wade + HMI Team</u>		Lab PM: <u>Whitmore, Cheyenne R</u>	Carrier Tracking No(s):	COC No: <u>400-115160-37797.4</u>													
Client Contact: <u>Mr. Wallace Gilmore</u>		Phone: <u>832-347-4521</u>		E-Mail: <u>Cheyenne.Whitmore@et.eurofins.com</u>	State of Origin: <u>NM</u>	Page: <u>4 of 4</u>													
Company: <u>AECOM</u>		PWSID:		Job #:															
Address: <u>19219 Katy Freeway Suite 100</u>		Due Date Requested:		Analysis Requested															
City: <u>Houston</u>		TAT Requested (days):		Preservation Codes:															
State/Zip: <u>TX, 77094</u>		Compliance Project: <u>Δ Yes Δ No</u>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO ₄ F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:															
Phone: <u>713-520-990(Tel) 713-520-680(Fax)</u>		PO #: <u>WD1040015</u>		M - Hexane N - None O - AsNaO ₂ P - Na ₂ O ₄ S Q - Na ₂ SO ₃ R - Na ₂ SO ₄ S - H ₂ SO ₄ T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)															
Email: <u>wallace.gilmore@aecom.com</u>		WO #: <u>40012867</u>		Total Number of Containers: <u>1</u>															
Project Name: <u>Jal #4 Gas Plant 4th Quarter</u>		SSOW#:		Special Instructions/Note:															
Site:																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1 - Specific Conductance	6010B - Sodium	9056 - ORGFM 28D - Chloride	8260B - BTEX	2540C - TDS							
<u>DOOM well</u>	<u>12/1/22</u>	<u>1225</u>	<u>G</u>		Water			✓	✓	✓	✓	✓							
<u>Fmr oxy well</u>		<u>1220</u>			Water			✓	✓	✓	✓	✓							
<u>EPNG-01</u>		<u>1145</u>			Water			✓	✓	✓	✓	✓							
<u>DUP-01</u>		<u>900</u>			Water			✓	✓	✓	✓	✓							
<u>DUP-02</u>		<u>1200</u>			Water			✓	✓	✓	✓	✓							
<u>DUP-03</u>		<u>1200</u>			Water			✓	✓	✓	✓	✓							
<u>DUP-04</u>		<u>1000</u>			Water			✓	✓	✓	✓	✓							
<u>TB-01</u>		<u>---</u>	<u>↓</u>		Water														
					Water														
					Water														
					Water														
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/QC Requirements:															
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☒ Disposal By Lab ☐ Archive For <u>Months</u>		☐ Field Filtered Sample (Yes or No) ☒ Perform MS/MSD (Yes or No)		☒ 120.1 - Specific Conductance ☒ 6010B - Sodium ☒ 9056 - ORGFM 28D - Chloride ☒ 8260B - BTEX ☒ 2540C - TDS													
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment: <u>FedEx</u>													
Relinquished by: <u>AW</u>		Date/Time: <u>12/1/22 1340</u>		Company: <u>HMI</u>		Received by:													
Relinquished by:		Date/Time:		Company:		Received by:													
Relinquished by:		Date/Time:		Company:		Received by:													
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:															

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-229895-1

Login Number: 229895

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	1.8, 0.8, 2.1, 0.0, 1.9, 1.9°C IR9
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 4Q22

Job ID: 400-229895-1

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 198211

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 198211
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of the 2022 Annual Groundwater Remediation Report: Content satisfactory 1. Continue groundwater monitoring and sampling per scheduling recommended. 2. Submit the next Annual Monitoring Report to the NMOCD no later than April 1, 2024.	5/17/2023