REVIEWED
By Nelson Velez at 1:24 pm, Oct 28, 2022

Review of the 2021 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 March 31, 2023.
3. OCD suggest direct communication to discuss abatement option(s) to address those wells with elevated benzene, chloride, and TDS levels. Please contact OCD's Incident Group personnel to arrange scheduled meeting by December 30, 2022.

AECOM

2021 Annual Groundwater Remediation Report
Jal No. 4 Gas Plant, Lea County, New Mexico
Facility ID No. FCS00000000049
NMOCD Abatement Plan Case #AP – 101
Incident ID #nAPP2110635360

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

Prepared By:
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Project No. 60678485
March 2022

AECOM Environment

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

Submitted by:
AECOM
Houston, Texas
Project No. 60578159
March 2021

2021 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 By:
Wally Gilmore, P.G.
Senior Project Manager

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 2021 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.This report provides a description of groundwater monitoring activities and analytical results for Calendar Year 2021, 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 34 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.

Dissolved propane was previously reported in recovery well RW-1. To evaluate the presence of hydrocarbon gasses potentially associated with operation of the natural gas cavern storage wells, the December 2021 groundwater samples were also submitted for laboratory analysis of dissolved gasses, including propane, methane, ethane and butane by EPA Method RSK-175.

2.2 Non-Program Wells and Sampling Schedule

In addition to the Program wells, EPNG also collects groundwater samples from four Non-Program wells during the annual sample event: one onsite monitoring well (ENSR-1), one upgradient water supply well (EPNG-1), and two down-gradient active water supply wells (Oxy Water Well and Doom Water Well). EPNG-1 is located at the northwest corner of

the Plant property operated by Energy Transfer Partners. 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 Oxy's Myers Langlie Mattix Unit Water Injection Station. The Oxy facility is no longer manned, and the water well currently provides water only to the Site's sanitary facilities. The Doom Water Well is a private water well that provides water to a residential property owned by the estate of Jimmie J. Doom, and is located approximately 1.35 miles south-southeast of the Plant, generally in 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 and prior to disturbing the water columns within each well, Program and Non-Program wells were gauged to determine the static water level. Depth to water (DTW) was measured from a surveyed mark located on the top-of-casing (TOC) of each well. DTW was measured to the nearest 0.01 foot using a water level indicator and the results were recorded in the field notes. **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 drawdown when compared to wells screened in shallower portions of the water bearing zone. This effect is exaggerated 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 their upper nested pair or co-located counterpart. Based on that criteria, monitoring wells can be designated to be in the upper or lower groundwater zone. 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 0.001 in the upper groundwater to 0.002 ft/ft in the lower groundwater.

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 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 2021 sampling events was placed in a labeled, 55-gallon steel drum with a *ventilated barrel cover* for evaporating liquid IDW, as described in the HMI field notes provided in **Appendix B**.

3.0 2021 Groundwater Monitoring Results

The following sections summarize the field measurement and laboratory analytical results obtained during the 2021 quarterly sampling program. Historical groundwater analytical results are summarized in **Table 3**. The laboratory results for the supplemental groundwater analysis are provided in **Table 4**. Field notes from the quarterly sampling events are provided in **Appendix B** and laboratory analytical reports for 2021 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 2021 chloride concentrations in upper and lower groundwater, respectively.

Detectable chloride concentrations for upper groundwater ranged from 36 mg/L in ACW-28 to 6,100 mg/L in ACW-01 during the December 2021 sampling event, as shown on **Figure 5**. Detectable chloride concentrations for lower groundwater ranged from 40 mg/L in ACW-29 to 89,000 mg/L in ACW-20 during the December 2021 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 water bearing unit.

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 2021 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 (0.18 mg/L), ACW-19 (0.046 mg/L) and ACW-21 (0.020 mg/L), and from upgradient well ENSR-1 (0.012 mg/L). These are the same upper groundwater wells that exhibited benzene exceedences for the 2020 annual groundwater sampling event. The benzene concentrations in each of the three wells were lower than the concentrations reported in 2020.

Benzene concentrations exceeding the NMAC standard of 0.01 mg/L were reported for on-site lower groundwater wells ACW-04 (0.025 mg/L), ACW-11 (0.02 mg/L) and ACW-

20 (0.049 mg/L), and in downgradient offsite well ACW-25 (0.025 mg/L). These are the same lower groundwater wells that exhibited benzene exceedences for the 2020 annual groundwater sampling event.

The 2021 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.

3.3 Dissolved Gases

As described above in *Section 2.*1, fourth quarter 2021 groundwater samples were analyzed for dissolved gases, including propane, methane, ethane and butane using EPA Method RSK-175. Results for laboratory analyses for dissolved gasses are summarized in **Table 4**.

Propane was detected at maximum concentrations of 87 mg/L and 190 mg/L in the upper and lower groundwater, respectively. The highest propane concentrations in upper groundwater were observed in wells ENSR-01 and PTP-01 and the highest propane concentrations in lower groundwater were observed in the corresponding lower wells ACW-16 and ACW-17. These wells are located in the area of the natural gas cavern storage wells operated by Western Refining Inc. **Figure 9** and **Figure 10** show logarithmic isopleths for December 2021 dissolved propane concentrations for the upper and lower groundwater, respectively.

Elevated dissolved methane, ethane, and butane concentrations were also reported for upper and lower groundwater wells generally located in the area of the natural gas cavern storage wells. Regulatory standards for dissolved hydrocarbon gasses have not been established by the state of New Mexico or the EPA.

4.0 2021 Recovery Well Installation

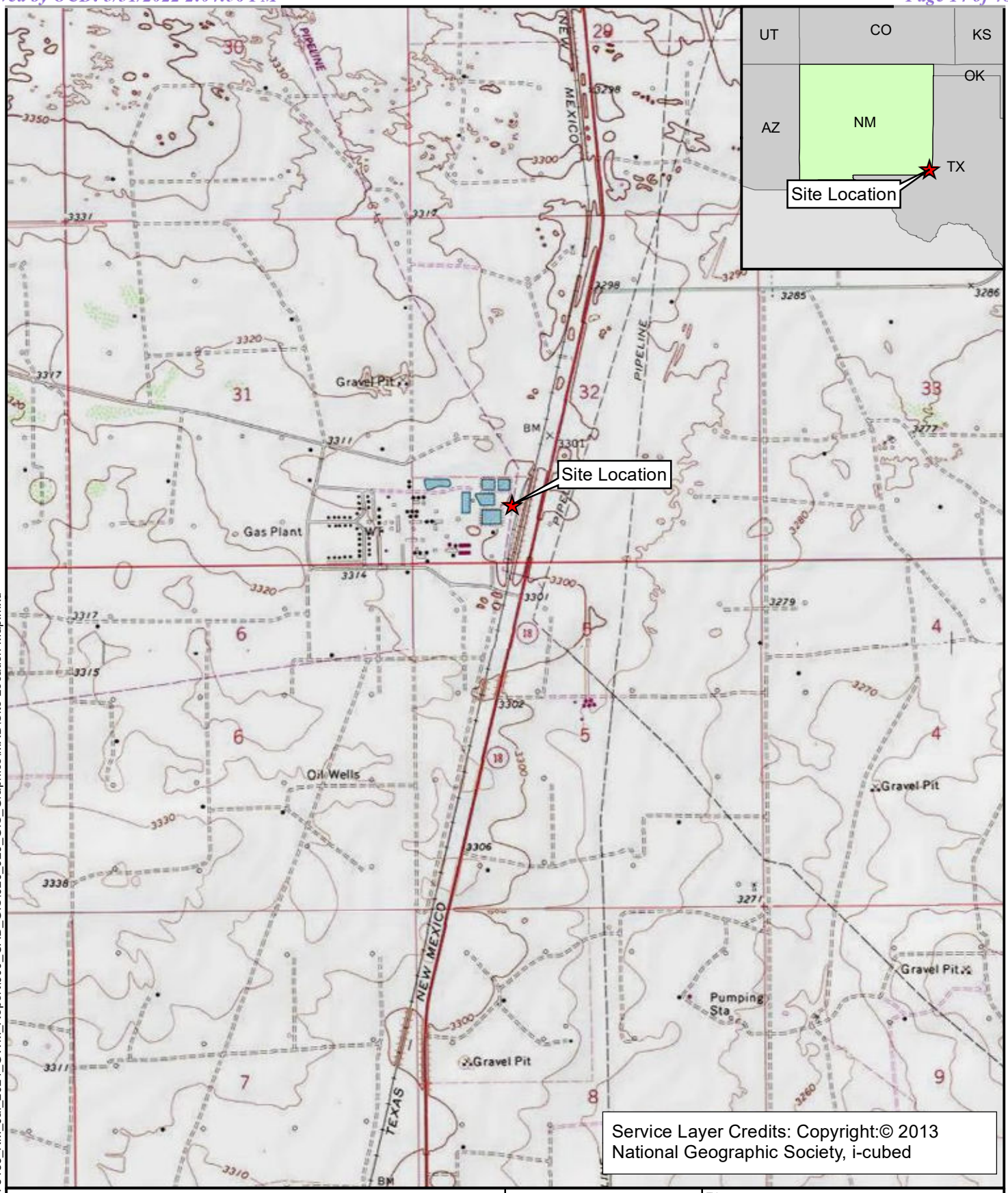
In November 2021, roto-sonic drilling methods were used to install two potential groundwater recovery wells (EW-1 and EW-2). Boreholes were advanced to the base of the uppermost groundwater-bearing unit near monitoring well ACW-10. Two six-inch diameter, schedule 80 PVC wells were constructed with 0.020-inch 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 pumping tests are tentatively scheduled for the wells during the second quarter of 2022. The purpose of the pumping tests is to obtain information to help characterize aquifer parameters for the design of individual recovery wells and a system of recovery wells to remediate groundwater impacted by chloride and benzene. Boring logs and well completion diagrams for the two recovery wells are provided in **Appendix D**.

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 0.001 to 0.002 ft/ft.
- Historical groundwater analytical data indicate that chlorides in groundwater are generally migrating both downgradient to the southeast and vertically toward the base of the water-bearing unit. During the 4th Quarter sampling event in December 2021, groundwater samples collected from 12 of 14 upper groundwater wells and from 16 of 21 lower groundwater wells contained chloride concentrations in excess of the EPA's Secondary Drinking Water Standard and New Mexico's 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 well 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.
- Elevated dissolved propane, methane, ethane, and butane concentrations were reported for upper and lower groundwater monitor wells generally located in the area of the on-site cavern storage wells and may be associated with the natural gas storage operations. Regulatory standards for dissolved hydrocarbon gasses have not been established by the state of New Mexico or the EPA.

Figures



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★ Site_Location

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

Title: **Site Location Map**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: **Kinder Morgan**

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure:
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- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
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- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- Approximate Property Boundary
- FORMER POND LOCATION WITH POND NUMBER

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

3) RECOVERY SYSTEM HAS NOT BEEN OPERATED SINCE 2012.

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

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

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

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

Title: **Site Layout**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

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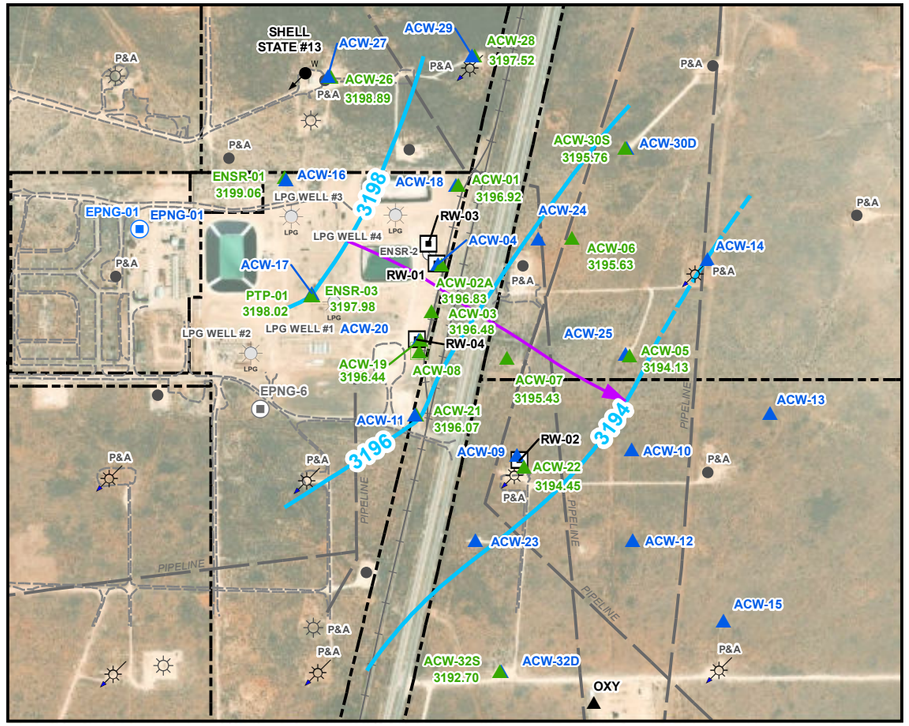

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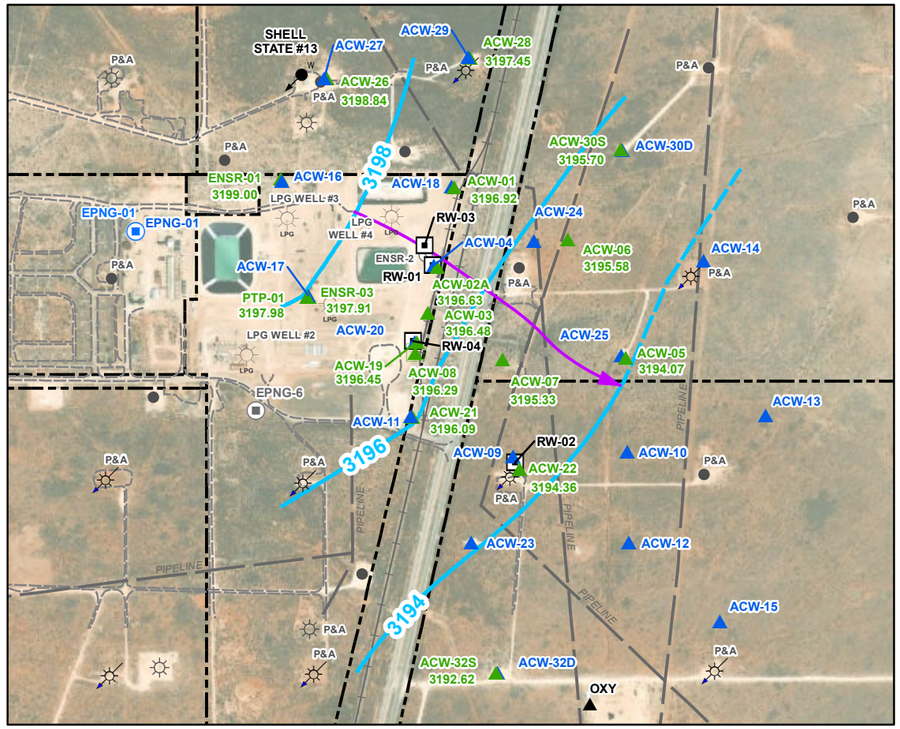

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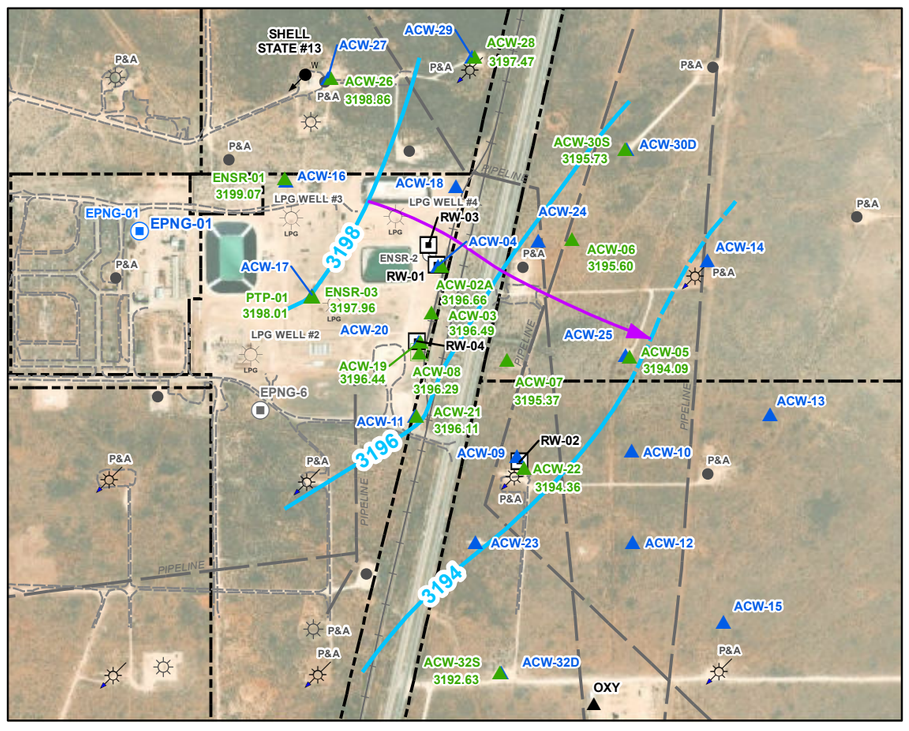

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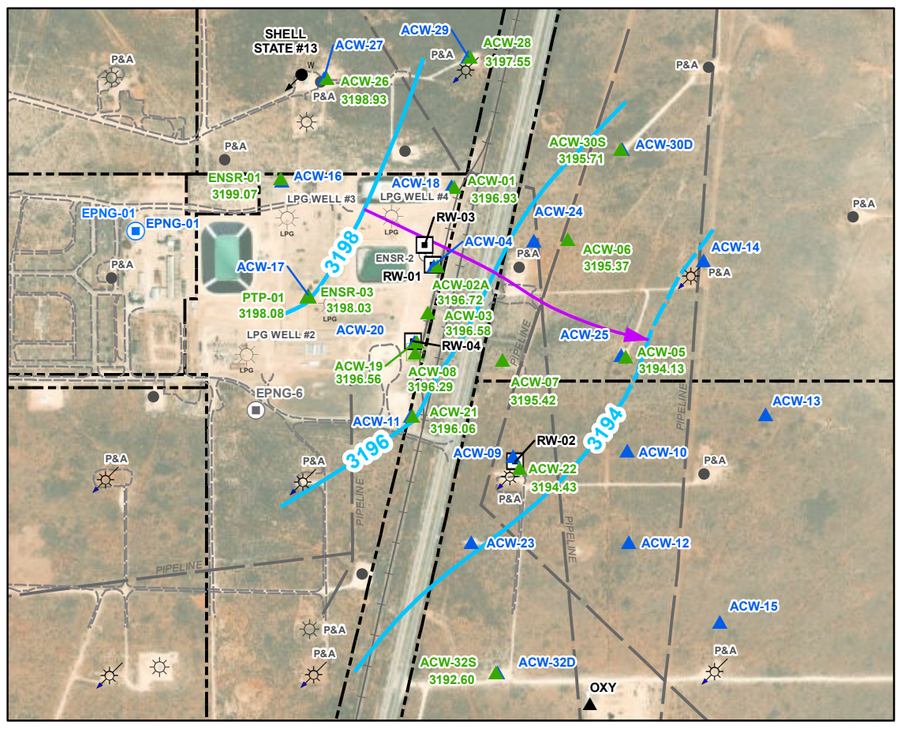

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- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
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- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL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

NOTES:
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 4/08/2021.

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

Title: **2021 Groundwater Surface Elevation Map – Upper Groundwater**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

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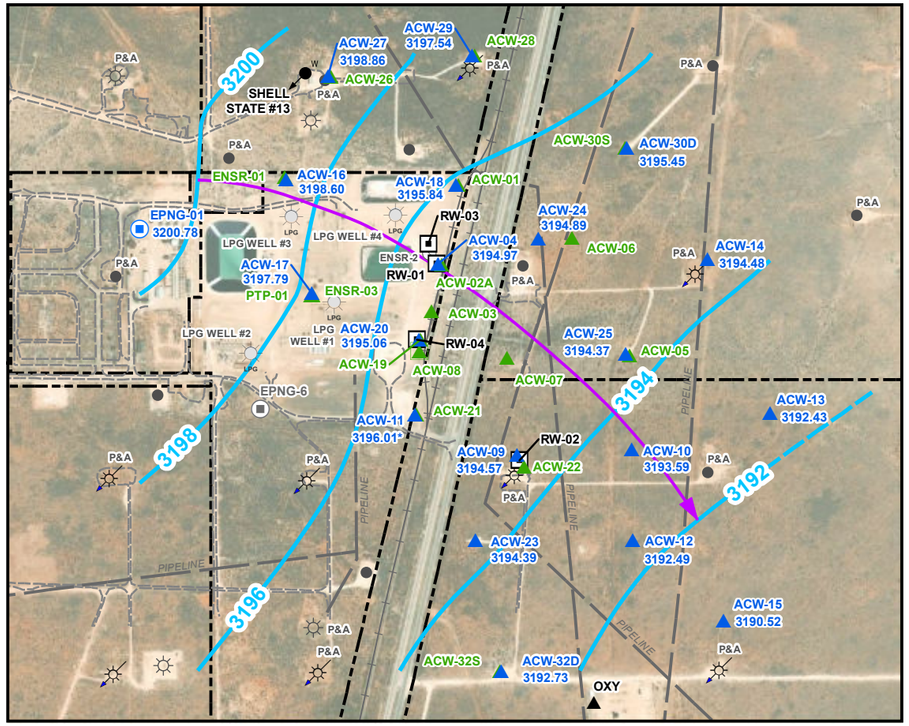

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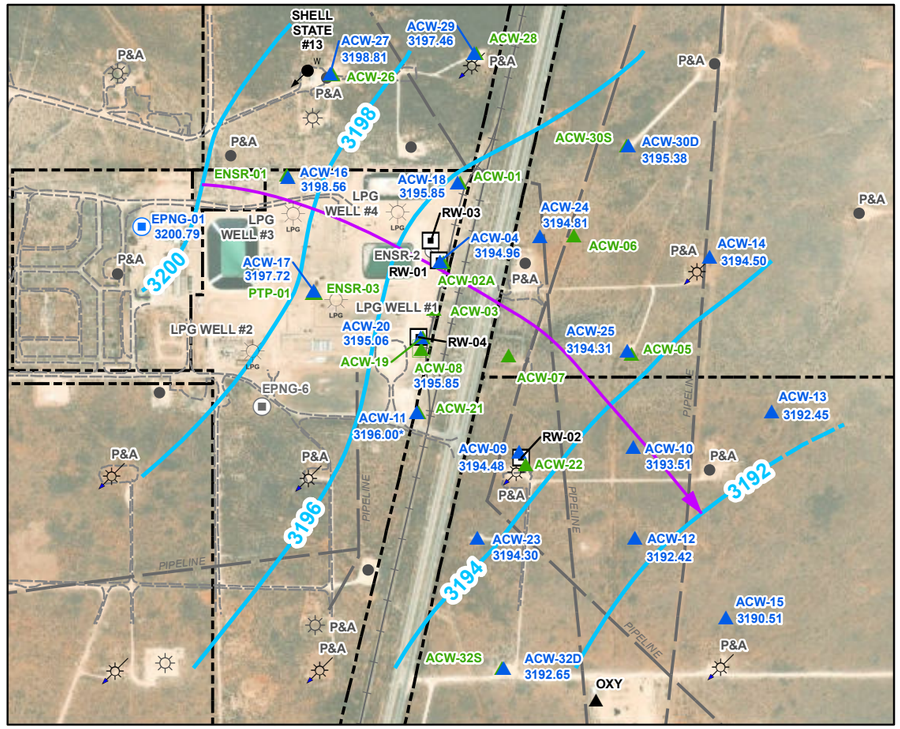

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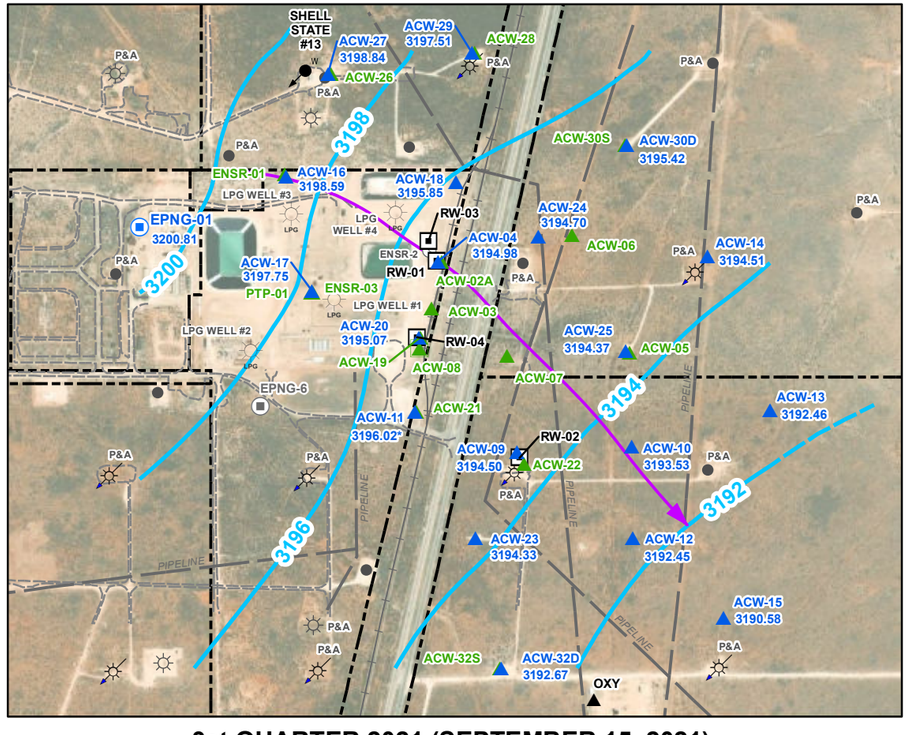

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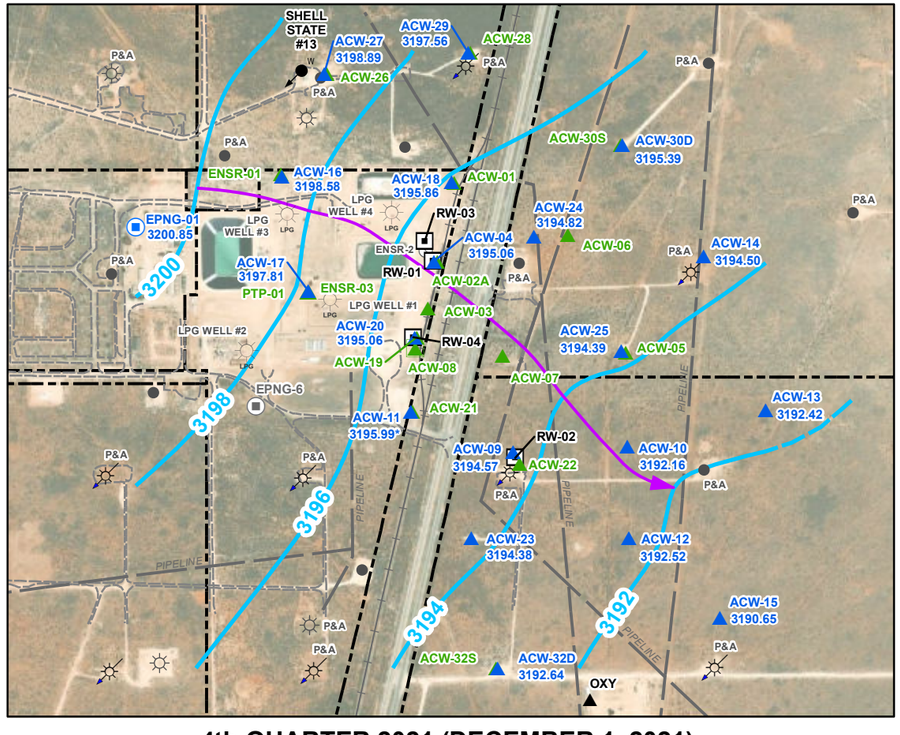

4th QUARTER 2021 (DECEMBER 1, 2021)

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

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

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Feet

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

Title: **2021 Groundwater Surface Elevation Map – Lower Groundwater**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

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	Chk'd by: WG	Date: 3/29/2022			

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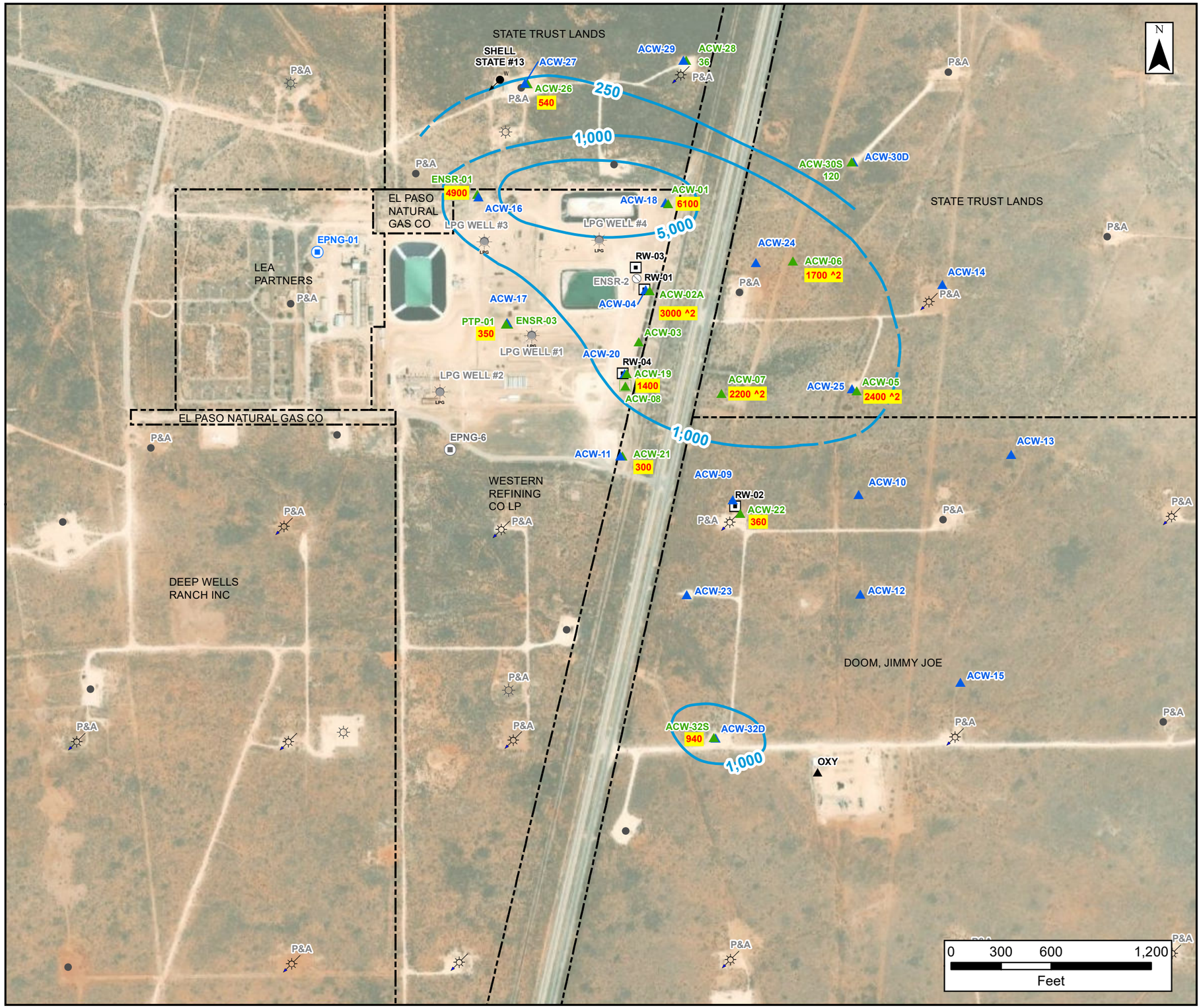

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- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- 17000 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE

NOTES:

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

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

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

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

5) RECOVERY SYSTEM HAS NOT BEEN OPERATED SINCE 2012.

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

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

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

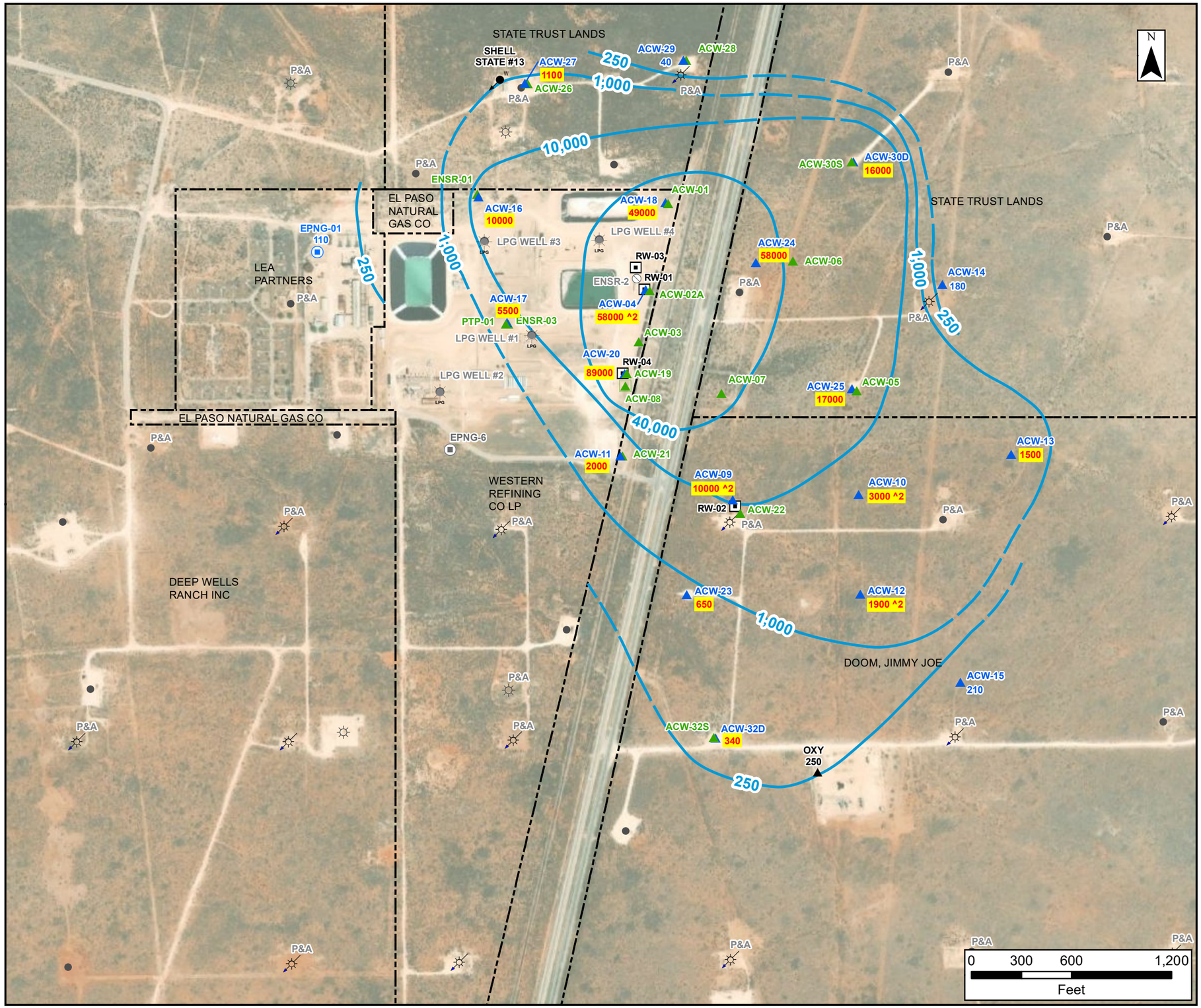
Title: **Isopleth of Chloride Concentrations in Upper Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Fig:
As Shown	KPL	3/29/2022	60678485	Upper Chloride Dec2021.mxd	5
	Chk'd by: WG	Date: 3/29/2022			

Path: L:\DCS\Projects\ENV\60678485_KM_Jal_2021_GWM_Report\900_CAD_GIS\920_929_GIS_Graphics\MXD\Upper Chloride Dec2021.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
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L
- INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDDWATER, mg/L
- 17000 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE

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

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

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

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

5) RECOVERY SYSTEM HAS NOT BEEN OPERATED SINCE 2012.

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

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

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

Title: **Isopleth of Chloride Concentrations in Lower Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Fig:
As Shown	KPL	3/29/2022	60678485	Lower Chloride Dec2021.mxd	6
	Chk'd by: WG	Date: 3/29/2022			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- 0.046 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) RECOVERY SYSTEM HAS NOT OPERATED SINCE 2012.

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

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

0 300 600 1,200
Feet

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

Title: **Benzene Concentrations in Upper Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure No.:
As Shown	KPL	3/29/2022	60678485	Upper Benzene Dec2021.mxd	7
	Chk'd by: WG	Date: 3/29/2022			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- 0.026 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) RECOVERY SYSTEM HAS NOT BEEN OPERATED SINCE 2012.

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

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

0 300 600 1,200
Feet

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

Title: **Benzene Concentrations in Lower Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure No.:
As Shown	KPL	3/29/2022	60678485	Lower Benzene Dec2021.mxd	8
	Chk'd by: WG	Date: 3/29/2022			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF PROPANE IN GROUNDWATER, mg/L
- INFERRED PROPANE CONCENTRATION IN GROUNDWATER, mg/L
- APPROXMATE PROPERTY BOUNDARY

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

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

3) RECOVERY SYSTEM HAS NOT OPERATED SINCE 2012.

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

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

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

Title: **Isopleth of Propane Concentrations in Upper Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure No.:
As Shown	KPL	3/29/2022	60678485	Upper Propane Dec2021.mxd	9
	Chk'd by: WG	Date: 3/29/2022			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF PROPANE IN GROUNDWATER, mg/L
- INFERRED PROPANE CONCENTRATIONS IN GROUNDWATER, mg/L
- APPROXMATE PROPERTY BOUNDARY

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

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

3) RECOVERY SYSTEM HAS NOT OPERATED SINCE 2012.

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

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

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

Title: **Isopleth of Propane Concentrations in Lower Groundwater December 2021**

Project: 2021 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure No.:
As Shown	KPL	3/29/2022	60678485	Lower Propane Dec2021.mxd	10
	Chk'd by: WG	Date: 3/29/2022			

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Tables

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

Well ID	2021 Quarter 1	2021 Quarter 2	2021 Quarter 3	2021 Quarter 4
Program Wells				
ACW-01	G	G	G	G,S
ACW-02*	G	G	G	G
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,S
ACW-27	--	--	--	G,S
ACW-28	--	--	--	G,S
ACW-29	--	--	--	G,S
ACW-30S	--	--	G	G,S
ACW-30D	--	--	G	G,S
ACW-32S	--	--	G	G,S
ACW-32D	--	--	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	2021 Quarter 1	2021 Quarter 2	2021 Quarter 3	2021 Quarter 4
Non-Program Wells				
ENSR-01	G	G	G	G,S
ENSR-03	G	G	G	G,S
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
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
PA - plugged and abandoned
*Well could not be developed, not included in sampling program

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-01	110 to 130	3302.15	3/14/2017	105.47	3196.68
			6/21/2017	105.38	3196.77
			9/21/2017	105.43	3196.72
			11/28/2017	105.43	3196.72
			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

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-02A	98 to 118	3302.16	3/14/2017	105.72	3196.44
			6/21/2017	105.63	3196.53
			9/21/2017	105.68	3196.48
			11/28/2017	105.65	3196.51
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-03	112 to 132	3301.62	3/14/2017	105.32	3196.30
			6/21/2017	105.22	3196.40
			9/21/2017	105.30	3196.32
			11/28/2017	105.29	3196.33
			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

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-04	154 to 169	3302.05	3/14/2017	107.42	3194.63
			6/21/2017	107.32	3194.73
			9/21/2017	107.38	3194.67
			11/28/2017	107.35	3194.70
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-05	105 to 115	3297.18	3/14/2017	103.16	3194.02
			6/21/2017	103.22	3193.96
			9/21/2017	103.16	3194.02
			11/28/2017	103.28	3193.90
			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

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-06	110 to 120	3302.84	3/14/2017	107.43	3195.41
			6/21/2017	107.43	3195.41
			9/21/2017	107.34	3195.50
			11/28/2017	107.85	3194.99
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-07	105 to 115	3297.63	3/14/2017	102.38	3195.25
			6/21/2017	102.42	3195.21
			9/21/2017	102.34	3195.29
			11/28/2017	102.43	3195.20
			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

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-08	140 to 160	3299.54	3/14/2017	103.43	3196.11
			6/21/2017	103.34	3196.20
			9/21/2017	103.43	3196.11
			11/28/2017	103.40	3196.14
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-09	140 to 160	3304.69	3/14/2017	110.25	3194.44
			6/21/2017	110.33	3194.36
			9/21/2017	110.28	3194.41
			11/28/2017	110.38	3194.31
			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

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-10	140 to 160	3299.82	3/14/2017	106.35	3193.47
			6/21/2017	106.43	3193.39
			9/21/2017	106.40	3193.42
			11/28/2017	106.44	3193.38
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-11	140 to 161	3301.64	3/14/2017	105.80	3195.84
			6/21/2017	105.73	3195.91
			9/21/2017	105.84	3195.80
			11/28/2017	105.83	3195.81
			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

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-12	150 to 170	3301.8	3/14/2017	109.40	3192.40
			6/21/2017	109.56	3192.24
			9/21/2017	109.47	3192.33
			11/28/2017	109.49	3192.31
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-13	153 to 173	3291.72	3/14/2017	99.34	3192.38
			6/21/2017	99.37	3192.35
			9/21/2017	99.41	3192.31
			11/28/2017	99.39	3192.33
			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

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-14	157 to 177	3294.74	3/14/2017	100.34	3194.40
			6/21/2017	100.37	3194.37
			9/21/2017	100.42	3194.32
			11/28/2017	100.44	3194.30
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-15	150 to 170	3292.75	3/14/2017	102.28	3190.47
			6/21/2017	102.33	3190.42
			9/21/2017	102.36	3190.39
			11/28/2017	102.36	3190.39
			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

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-16	156 to 176	3307.89	3/14/2017	109.48	3198.41
			6/21/2017	109.34	3198.55
			9/21/2017	109.33	3198.56
			11/28/2017	109.40	3198.49
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-17	151 to 171	3306.17	3/14/2017	108.48	3197.69
			6/21/2017	108.46	3197.71
			9/21/2017	108.43	3197.74
			11/28/2017	108.54	3197.63
			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

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-18	160 to 180	3303.15	3/14/2017	107.51	3195.64
			6/21/2017	107.41	3195.74
			9/21/2017	107.43	3195.72
			11/28/2017	107.49	3195.66
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-19	98 to 118	3302.68	3/14/2017	106.42	3196.26
			6/21/2017	106.31	3196.37
			9/21/2017	106.40	3196.28
			11/28/2017	106.40	3196.28
			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

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-20	154 to 174	3303.5	3/14/2017	108.62	3194.88
			6/21/2017	108.52	3194.98
			9/21/2017	108.60	3194.90
			11/28/2017	108.59	3194.91
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-21	98 to 118	3301.82	3/14/2017	105.91	3195.91
			6/21/2017	105.81	3196.01
			9/21/2017	105.82	3196.00
			11/28/2017	105.94	3195.88
			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

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-22	102 to 122	3306.24	3/14/2017	111.94	3194.30
			6/21/2017	112.04	3194.20
			9/21/2017	112.03	3194.21
			11/28/2017	112.04	3194.20
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-23	147 to 167	3306.29	3/14/2017	112.11	3194.18
			6/21/2017	112.17	3194.12
			9/21/2017	112.09	3194.20
			11/28/2017	112.15	3194.14
			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

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-24	166 to 186	3305.56	3/14/2017	110.60	3194.96
			6/21/2017	110.59	3194.97
			9/21/2017	110.49	3195.07
			11/28/2017	110.65	3194.91
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-25	151 to 171	3297.59	3/14/2017	103.36	3194.23
			6/21/2017	103.43	3194.16
			9/21/2017	103.37	3194.22
			11/28/2017	103.46	3194.13
			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
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

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
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
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

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 to120	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
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

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 to120	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
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

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	3/14/2017	107.83	3198.88
			6/21/2017	107.68	3199.03
			9/21/2017	107.78	3198.93
			11/28/2017	107.74	3198.97
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ENSR-03	123 to 148	3305.05	3/14/2017	107.20	3197.85
			6/21/2017	107.15	3197.90
			9/21/2017	107.25	3197.80
			11/28/2017	107.25	3197.80
			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

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	3/14/2017	109.21	3200.82
			6/21/2017	109.14	3200.89
			9/21/2017	109.18	3200.85
			11/28/2017	109.22	3200.81
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
PTP-01	110 to 130	3305.67	3/14/2017	NM	NM
			6/21/2017	107.73	3197.94
			9/21/2017	107.83	3197.84
			11/28/2017	107.84	3197.83
			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

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 to179	3302.16	3/14/2017	105.63	3196.53
			6/21/2017	105.61	3196.55
			9/21/2017	105.69	3196.47
			11/28/2017	105.63	3196.53
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
RW-02	105 to 175	3303.71	3/14/2017	109.27	3194.44
			6/21/2017	109.38	3194.33
			9/21/2017	109.34	3194.37
			11/28/2017	110.42	3193.29
			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

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	3/14/2017	106.38	3196.27
			6/21/2017	106.29	3196.36
			9/21/2017	106.40	3196.25
			11/28/2017	106.39	3196.26
			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

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

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
RW-04	154 to 174	3303.26	3/14/2017	108.80	3194.46
			6/21/2017	108.72	3194.54
			9/21/2017	108.75	3194.51
			11/28/2017	108.80	3194.46
			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

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 µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-01 (cont'd)		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
		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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-02A (cont'd)		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
		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
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	---

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-03 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-04 (cont'd)		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
		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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-05 (cont'd)		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	---
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-05 (cont'd)		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
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
		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

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

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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-07 (cont'd)		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
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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-08 (cont'd)		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-09 (cont'd)	D	10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	7,700	4,400	3,700	1,300
		5/1/2002	---	---	---	---	8,160	3,800	2,900	---
	D	5/1/2002	---	---	---	---	7,070	3,760	2,500	---
		11/6/2002	**0.00110**	< 0.00100	< 0.00100	< 0.00300	7,800	3,700	1,800	1,400
		11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	5,280	3,830	1,820	1,430
		11/10/2004	**0.00082** J	< 0.00100	< 0.00100	< 0.00200	8,540	4,680	2,150	1,220
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	5,970	3,100	1,350	941
		3/7/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	6,060	4,420	2,210	935
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	5,900	2,870	1,290	796
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	5,540	2,990	1,480	751
		2/24/2010	**0.00100**	< 0.00100	< 0.00100	< 0.00100	14,300	8,340	4,190	2,800
		12/9/2010	**0.00017** J	**0.00029** J	< 0.00100	< 0.00100	15,730	48,000	3,050	1,710
		11/9/2011	**0.00032** J	< 0.00100	< 0.00100	< 0.00300	14,600	8,880	4,110	2,660
		11/7/2012	**0.00750**	< 0.00100	< 0.00100	< 0.00300	16,100	11,200	5,480	3,120
		1/13/2014	**0.00386**	< 0.00030	< 0.00020	< 0.00023	18,600	8,480	5,960	3,300
		1/5/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	18,500	10,300	6,310	3,040
		12/1/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	21,400	15,900 H	9,130 F1	4,130
		12/2/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	20,200	13,000	7,270	3,820 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	26,000	20,000	10,600	3,090 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	34,000	22,700 H	9,940	3,460
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	27,000	24,000	12,000 B	3,300 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	30,000	26,000	49,000	3,200
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	28,000	32,000	10,000 ^2	3,000
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	---

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-10 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-10 (cont'd)		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
		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
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	---

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-11 (cont'd)		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	---
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-12 (cont'd)		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
		2/24/2010	**0.00260**	< 0.00100	< 0.00100	< 0.00100	4,760	3,680	1,130	244
		12/8/2010	**0.00160**	< 0.00100	< 0.00100	< 0.00100	4,953	5,420	1,270	263
		11/9/2011	**0.00250**	< 0.00100	< 0.00100	< 0.00300	4,500	3,300	1,210	236
		11/6/2012	**0.00440**	< 0.00100	< 0.00100	< 0.00300	4,650	3,340	1,380	198
		1/10/2014	**0.00363**	< 0.00030	< 0.00020	< 0.00023	5,170	3,430	1,290	266
		1/5/2015	**0.00062**	< 0.00030	< 0.00020	< 0.00023	4,610	3,350	1,610	277
		12/1/2015	**0.00023** J	**0.00041**	< 0.00021	< 0.00037	5,000	3,190 H	1,610	274 B
		12/1/2016	< 0.00018	< 0.00021	< 0.00021	< 0.00037	5,070	4,000	1,560	258 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	5,820	2,430	1,840	348 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	8,100	5,260 H	2,690	417
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	6,300	4,700	1,100 B	400 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	7,100	5,900	2,100	390
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	6,500	5,000	1,900 ^2	430
ACW-13		2/20/1997	< 0.00050	< 0.00050	**0.00150**	< 0.00100	681	440	53	---
		5/8/1997	**0.00061**	**0.00058**	< 0.00050	< 0.00100	643	460	57	---
	D	5/8/1997	**0.00065**	**0.00062**	< 0.00050	< 0.00100	630	460	52	---

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-13 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-13 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-13 (cont'd)	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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-13 (cont'd)		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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-14 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-14 (cont'd)		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
	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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-14 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-14 (cont'd)		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 µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
ACW-15		10/23/1999	**0.00320**	**0.00530**	< 0.00200	< 0.00400	1,010	587	180	130
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	665	402	42	81
	D	2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	660	394	42	82
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	654	431	49	76
		8/8/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	605	340	35	77
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	1,380	876	360	250
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	725	423	64	100
	D	2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	727	413	65	96
		5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	629	416	52	80
	D	5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	628	396	46	81
		8/2/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	627	397	82	76
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	627	393	56	72
		2/19/2002	< 0.00200	**0.00340**	**0.00200**	**0.01100**	629	369	27	74
	R	2/19/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
	D	2/19/2002	< 0.00200	< 0.00200	< 0.00200	**0.00700**	628	355	31	49
	R	2/19/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		5/2/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00200	670	404	30	77
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	777	552	130	72
		11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	640	380	30	85
	D	11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	620	410	29	81
		3/28/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	700	472	31	55
		5/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	651	442	30	66
		8/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	650	438	29	77
		11/7/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	644	436	26	71
		2/26/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	600	410	27	75
		5/12/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	655	436	27	71
		8/24/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	587	382	26	74

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-15 (cont'd)		11/11/2004	< 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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-15 (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-15 (cont'd)		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
		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
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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-17 (cont'd)		12/1/2021	**0.00025** J	< 0.00041	< 0.00050	< 0.0016	15,000	**14,000**	**5,500**	1,800
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
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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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		12/2/2015	< 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		12/2/2015	< 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		12/2/2015	**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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
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
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
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
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
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-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
ACW-32S		11/7/2018	< 0.0010	< 0.00100	< 0.00100	< 0.00200	6,080	3,100 H	1,080	287
		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	3,900	3,400	780 B	290 B
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	3,400	3,300	830	270
	D	9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	3,400	3,300	860	260
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,900	2,900	1,000	260
	D	12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,900	3,100	1,000	250
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,400	4,100	940	260
	D	12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,300	2,400	940	210 ^2
ACW-32D		11/7/2018	< 0.0010	< 0.00100	< 0.00100	< 0.00200	2,970	1,410 H	602	178
		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	1,500	850	260 B	120
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,800	1,500	340	130
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,700	880	280	120
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,600	2,300	340	130
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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
RW-01 (cont'd)	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	---
		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

Table 3
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El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
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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	--
ENSR-01 (cont'd)	D	11/10/2004	0.01140 R	**0.00130**	**0.00240**	**0.00170** J	---	3,150	1,420	823
		12/13/2005	**0.00990**	< 0.00200	**0.00220**	< 0.00600	5,530	2,740	1,120	969
		3/6/2007	**0.00740**	< 0.00100	**0.00250**	**0.00240**	4,860	4,010	2,230	882
		11/13/2007	0.01100	< 0.00100	**0.00370**	**0.00190**	7,430	2,830	1,230	1,040
		11/18/2008	**0.00620**	< 0.00100	**0.00220**	**0.00130**	7,690	3,270	1,680	1,140
		2/25/2010	**0.00410**	< 0.00100	**0.00110**	< 0.00100	13,890	3,760	1,640	1,330
	D	2/25/2010	**0.00420**	< 0.00100	**0.00120**	< 0.00100	---	3,760	1,630	1,240
		12/9/2010	0.01200	**0.00140**	**0.00090** J	**0.00120** J	22,500	9,210	4,620	2,310
	D	12/9/2010	0.01200	**0.00025** J	< 0.00100	< 0.00100	---	7,670	4,690	2,370
		11/10/2011	**0.00690**	**0.00063** J	**0.00210**	**0.00200** J	10,600	5,680	3,120	1,840
	D	11/10/2011	**0.00690**	**0.00066** J	**0.00190**	**0.00190** J	11,800	6,520	3,500	2,010
		11/7/2012	**0.00820**	< 0.00100	**0.00170**	**0.00100** J	11,800	7,480	3,940	2,300
		1/13/2014	**0.00786**	< 0.00030	**0.00156**	**0.00106** J	13,600	6,240	4,410	2,420
		1/6/2015	**0.00598**	**0.00039** J	**0.00260**	**0.00111** J	6,610	2,850	2,260	982
		12/1/2016	0.01480	**0.00047** J	**0.00160**	**0.00137** J	21,800	15,100	8,620	4,410 B
		11/28/2017	0.01360	**0.00055** J	**0.00205**	**0.00124** J	20,700	16,400	8,280	3,740 B
		11/7/2018	0.01420	< 0.00100	**0.00248**	< 0.00200	25,200	13,400 H	7,330	4,000
		12/18/2019	0.01700	**0.00059** J	**0.00270**	**0.00140** J	19,000	11,000	3,800 B	3,600 B
		12/9/2020	0.016	**0.00045** J	**0.0015**	< 0.0016	20,000	11,000	6,400	58
		12/1/2021	0.012	**0.00062** J	**0.0027**	**0.0016** J	15,000	8,400	4,900	2,800
ENSR-02		5/6/1997	0.25000	**0.23000**	**0.11000**	**0.19000**	50,000	27,000	17,000	---
		10/20/1997	0.13000	**0.16000**	**0.07700**	**0.12000**	57,900	30,000	17,000	---
		5/12/1998	---	---	---	---	38,000	21,000	13,000	---
		10/19/1998	---	---	---	---	44,800	30,000	18,000	---
		5/11/1999	---	---	---	---	49,100	31,200	18,000	---
		10/19/1999	---	---	---	---	28,900	16,600	9,400	---
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ENSR-02 (cont'd)		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ENSR-03 (cont'd)		5/23/2005	0.01300	< 0.00200	**0.00240**	< 0.00600	2,330	1,510	523	180
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
Oxy Supply (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
Oxy Supply (cont'd)		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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
EPNG-01 (cont'd)		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
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
		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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
Doom Supply (cont'd)	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
		2/20/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	700	417	31	66
		6/10/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	669	451	35	67
		8/12/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	760	461	34	57
		11/18/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	735	390	35	61
		3/4/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	641	485	29	65
		8/26/2009	**0.00230**	< 0.00100	< 0.00100	< 0.00100	721	426	32	65
		9/17/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	---	---	---
		2/19/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	765	409	36	57
		6/28/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	642	215		66
		9/21/2010	< 0.00100	**0.00028** J	< 0.00100	< 0.00100	661	449	30	64
		12/8/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	8,490	930	33	68
		2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	614	457	33	66

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
Doom Supply (cont'd)		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
	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

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
Doom Supply (cont'd)		8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	652	385	33.6	62
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	817	414 H	29.6	67
		3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	607	371	31.4 F1	66.6
		6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	640	390	27	63
		9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	650	380	30	65
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	650	370	33 B	62
		3/19/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	620	390	27	61
		6/24/2020	**0.00069** J	**0.00034** J	< 0.0010	< 0.0020	570	380	48	65
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	580	260	1.0 J	65
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	700	410	30	54
		3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	620	410	32	72
		6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	680	410	33	65
		9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	650	410	82	62
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	650	420	38	60
PTP-01		5/7/1997	**0.03800**	**0.00051**	**0.02200**	**0.00840**	2,420	**1,500**	**490**	---
		10/21/1997	**0.00790**	< 0.00050	**0.01800**	**0.00310**	2,250	**1,400**	**470**	---
		5/12/1998	**0.06200**	**0.00160**	**0.02100**	**0.01300**	2,300	**1,400**	**480**	---
		10/20/1998	**0.00000**	---	---	---	2,090	**1,410**	**380**	---
		5/11/1999	**0.00000**	---	---	---	2,250	**1,240**	**330**	---
		10/20/1999	**0.00000**	---	---	---	2,300	**1,630**	**460**	---
		5/9/2000	**0.00000**	---	---	---	2,210	**1,400**	**510**	---
		10/27/2000	**0.00000**	---	---	---	2,050	**1,570**	**530**	---
		5/2/2001	**0.00000**	---	---	---	2,370	**1,240**	**520**	---
		10/23/2001	**0.00000**	---	---	---	2,370	**1,280**	**550**	---
		4/29/2002	**0.00000**	---	---	---	2,390	**1,400**	**500**	---
		11/4/2002	**0.05000**	< 0.01000	**0.01500**	**0.02400**	2,000	690	**480**	170
		11/3/2003	**0.02180**	< 0.00200	**0.01350**	**0.00880**	2,130	**1,380**	**469**	190
		11/10/2004	**0.01360**	< 0.00100	**0.01870**	**0.00960**	2,300	**1,560**	**496**	167
		12/12/2005	**0.01370**	**0.00160** J	**0.02250**	**0.02640**	2,360	**1,140**	**442**	192

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

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
		Regulatory Limit	0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
PTP-01 (cont'd)		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
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 dected at or above the MDL
H: Sample was prepped or analyzed beyond the specified holding time
F1: Indicates the MS and/or MSD recovery is outside of acceptance limits
^2: Indicates the calibration blank is outside of acceptance limits

Table 4
Supplemental Groundwater Analytical Results for December 2021
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Bromide mg/L	Calcium mg/L	Magnesium mg/L	Butane mg/L	Methane mg/L	Ethane mg/L	Propane mg/L
			Method 9056	Method 6010B		Method RSK-175			
Regulatory Limit			--	--	--	--	--	--	--
ACW-01		12/1/2021	< 2.8	51	95 B	0.24	5.9	0.82	12
ACW-02A		12/1/2021	< 2.8	1.7 J	< 1.2	2.7	0.19	0.44	12
ACW-04		12/1/2021	< 55	2,500	990 B	0.0074	0.2	0.066	1.7
ACW-05		12/1/2021	< 2.8	450	67 B	< 0.0016	0.043	0.028	0.15
ACW-06		12/1/2021	1.2 J	5.8	2.1 J B	< 0.0016	0.26	1.1	0.014
ACW-07		12/1/2021	< 2.8	71	33 B	< 0.0016	0.13	0.31	< 0.0017
ACW-09		12/1/2021	6.6 J	2,400	730 B	< 0.0016	0.026	0.056	0.011
ACW-10		12/1/2021	< 2.8	940	330 B	< 0.0016	< 0.0005	0.015	0.014
ACW-11		12/1/2021	16 J	3,800	1,300 B	0.015	0.055	0.022	0.200
ACW-12		12/1/2021	2.4 J	710	200 B	< 0.0016	0.25	0.023	< 0.0017
ACW-13		12/1/2021	1.5 J	460	160 B	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-14		12/1/2021	< 0.55	62	26 B	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-15		12/1/2021	< 0.55	86	30 B	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-16		12/1/2021	< 2.8	1,300	520 B	0.1	0.26	1.9	190
ACW-17		12/1/2021	< 2.8	960	470 B	0.3	0.26	2.2	140
ACW-18		12/1/2021	< 55	2,600	990 B	0.2	0.15	0.053	1.5
ACW-19		12/1/2021	2.0 J	220	93 B	1.0	0.31	0.62	9.5
ACW-20		12/1/2021	< 55	130	56 B	0.19	0.038	0.11	2.8
	D	12/1/2021	< 55	1,100	500	0.21	0.042	0.13	3.4
ACW-21		12/1/2021	0.85 J	190	56 B	0.9	1.6	0.29	9.5
ACW-22		12/1/2021	1.2 J	130	26 B	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-23		12/1/2021	1.0 J	220	81	< 0.0016	0.043	0.095	< 0.0017
ACW-24		12/1/2021	< 55	2,100	790	0.034	0.044	0.017	0.56
ACW-25		12/1/2021	8.2 J	2,800	1,100	0.011	< 0.0005	0.015	0.34
ACW-26		12/1/2021	0.79 J	180	20	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-27		12/1/2021	0.74 J	320	110	< 0.0016	0.45	0.41	< 0.0017
ACW-28		12/1/2021	0.19 J	65	8.7	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-29		12/1/2021	0.27 J	50	16	< 0.0016	< 0.0005	< 0.00075	< 0.0017
	D	12/1/2021	0.26 J	50	16	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-30S		12/1/2021	0.28 J	98	10	< 0.0016	< 0.0005	< 0.00075	< 0.0017
ACW-30D		12/1/2021	7.1 J	2,300	820	< 0.0016	0.044	0.076	0.450
	D	12/1/2021	12 J	2,400	850	< 0.0016	0.045	0.083	0.51

Table 4
Supplemental Groundwater Analytical Results for December 2021
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Bromide mg/L	Calcium mg/L	Magnesium mg/L	Butane mg/L	Methane mg/L	Ethane mg/L	Propane mg/L
			Method 9056	Method 6010B		Method RSK-175			
Regulatory Limit			--	--	--	--	--	--	--
ACW-32S		12/1/2021	1.2 J	400	26	< 0.0016	0.0033	0.0011	< 0.0017
	D	12/1/2021	1.1 J	400	27	< 0.0016	0.0077	0.0017	< 0.0017
ACW-32D		12/1/2021	< 0.55	130	53	< 0.0016	0.012	< 0.00075	< 0.0017
DOOM		12/1/2021	0.18 J	51	17	< 0.0016	0.52	0.0018	< 0.0017
ENSR-01		12/1/2021	< 2.8	210	97	0.081	0.33	1.8	87
EPNG-01		12/1/2021	0.53 J	32	25	< 0.0016	2.3	0.0048	< 0.0017
OXY		12/1/2021	1.0 J	140	45	< 0.0016	0.12	0.15	0.011
PTP-01		12/1/2021	1.7 J	150	56	2.4	0.16	1.2	40

Notes:

< : Denotes a sample value of less than the MDL
--- : No analysis performed
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
U: Indicates the analyte was not dected at or above the MDL
D: Indicates a duplicate sample
H: Sample was prepped or analyzed beyond the specified holding time
F1: Indicates the MS and/or MSD recovery is outside of acceptance limits
^2: Indicates the calibration blank was outside acceptance limits

Appendix A

Site Chronology

AECOM

SITE CHRONOLOGY

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

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

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

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

Date	Activity
2018	Quarterly groundwater monitoring continued at the site.
June-July 2018	Two pairs of nested monitoring wells, ACW-30S/D and ACW-31S/D, were installed east of the Plant across Highway 18.
October 1, 2018	Marathon Petroleum Corp. acquired Andeavor Corp.
2019	Quarterly groundwater monitoring continued at the site.
December 2019	Two sets of paired monitoring wells (ACW-26/ACW-27 and ACW-28/ACW-29) were installed north of the Plant property in December 2019.
2020	Quarterly groundwater monitoring continued at the site.
October-November 2020	Three exploratory soil borings (BH-1 through BH-3) were advanced to the base of the uppermost groundwater bearing unit using roto-sonic drilling methods to collect soil samples for lithologic inspection and soil grain size analysis to facilitate design of remediation extraction wells.
2021	Quarterly groundwater monitoring continued at the site.
November 2020	Two groundwater recovery wells (EW-1 and EW-2) were installed using roto-sonic drilling methods. The recovery have been developed and will be used for future aquifer pumping tests.

Appendix B

2021 Quarterly HMI Data

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

March 31, 2021

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

Subject: 1Q21 Groundwater Monitoring, March 23, 2021
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

1. HMI equipped the sampled-well network with HMI-owned dedicated bladder pumps in 2017. 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). HMI equips all sampled wells with HMI-owned dedicated bladder pumps, to increase sample quality and field efficiencies. HMI respectfully requests the opportunity to retrieve the pumps when HMI's monitoring obligations are completed at the site.

2. 1Q21 sitewide gauging and limited groundwater sampling (ACW-13, 14, 15, (32S, 32D eliminated from sampling for this event per Joe Wiley, 3-10-21), and two water wells (Doom Well & OXY Well) was conducted March 23, 2021.

3. 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.

4. Field QA/QC Sampling:

   Dup-01 @ ACW-13 (all parameters)
   Trip Blank (BTEX)

5. Per EP, beginning 4Q20, groundwater samples submitted to:
   Eurofins Test America-Pensacola, FL (Marty Edwards, PM)
   3355 McLemore Drive
   Pensacola, FL 32514
   FedEx account # - 2301-5223-3

   Proper chain-of-custody was maintained.

6. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated during routine groundwater monitoring, in an agency-approved, safe, and 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), was placed on a wooden pallet, strapped to protective steel posts, surrounding RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating "24/7", since 2Q20. The 35 gallons of purgewater from 4Q20 event was fully-evaporated; five (5) gallons were added in the 1Q21 event.

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 – 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)

7. Site notes:
   AECOM notifies Jal Facility Mgr. prior to sampling events; EP notifies Oxy's Dusty Wilson, per note below:

   Contact for Oxy regarding their field station where we sample the water well. There have been on and off very low exceedances of the 250 mg/l New Mexico standard for chlorides and I needed to notify them. The contact, Dusty Wilson, indicated that personnel who enter that facility must have H2S training and have an H2S monitor operating. Mr. Wilson stated there is a significant amount of H2S associated with the tank battery. He also indicated they would like a few days prior notice so they know who is coming and going out there, so if you can email me with the scheduled sample dates as they come along I will pass that along to Dusty.
   Thanks,
   Joseph (Joe) Wiley, P.G.
   Project Manager - Pipeline Remediation
   Kinder Morgan, Inc.
   Phone: 713-420-3475
   Cell Phone: 832-279-1610
   Joe_wiley@kindermorgan.com

   Site Contact: Bill Evans (575-441-4101); Jal Police Ph. on JHA per Bill (575-395-2501).

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

   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 the right)..see below.

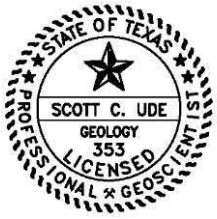
   Per KM, beginning 4Q20, selected lab changed from Eurofins Xenco-Stafford, TX (Bethany McDaniel) to Eurofins TA-Pensacola, FL (Marty Edwards).

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

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude



Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on March 31, 2021.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Scott Duncan, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
March 23, 2021

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	105.23	0.00	0.00	3,196.92	30.22	135.45	1.9	110-130	130.5	4" PVC	8.90	20.6	14,700	1.0	-296.0	1.7	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.33	0.00	0.00	3,196.83	20.16	125.49	2.0	98-118	120.5	4" PVC	10.36	20.7	13,800	1.1	-384.1	2.6	Clear	
ACW-03		3		1	No	3,301.62	NP	105.14	0.00	0.00	3,196.48	29.98	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	107.08	0.00	0.00	3,194.97	64.02	171.10	1.7	154-169	169.1	4" PVC	7.22	20.5	110,100	1.4	-243.3	3.0	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.05	0.00	0.00	3,194.13	14.32	117.37	1.5	105-115	114.4	4" PVC	6.28	17.1	7,940	1.6	-82.4	7.4	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.21	0.00	0.00	3,195.63	15.42	122.63	1.7	110-120	119.6	4" PVC	8.43	17.5	5,980	1.5	-174.6	4.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.20	0.00	0.00	3,195.43	15.19	117.39	1.5	105-115	114.4	4" PVC	7.22	17.2	8,400	1.6	-131.1	3.7	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	110.12	0.00	0.00	3,194.57	52.36	162.48	2.4	140-160	159.5	4" PVC	6.41	21.5	29,600	1.6	-39.0	4.6	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.23	0.00	0.00	3,193.59	56.81	163.04	2.5	140-160	160.0	4" PVC	6.65	21.4	7,810	1.8	94.1	7.2	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.63	0.00	0.00	3,196.01	56.05	161.68	2.1	140-161	159.7	4" PVC	6.38	22.9	36,800	1.9	-34.6	5.3	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.31	0.00	0.00	3,192.49	62.62	171.93	2.5	150-170	168.9	4" PVC	6.66	22.5	6,540	2.1	-82.7	7.0	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.29	0.00	0.00	3,192.43	76.33	175.62	2.0	153-173	172.6	4" PVC	6.74	19.2	3,160	4.4	99.1	3.9	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	6.96	19.9	997	4.2	83.3	3.3	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.23	0.00	0.00	3,190.52	69.34	171.57	2.3	150-170	168.6	4" PVC	6.95	19.4	972	5.3	103.3	2.5	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.29	0.00	0.00	3,198.60	67.65	176.94	2.4	156-176	174.9	4" PVC	7.50	20.1	23,200	1.4	-230.8	0.9	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.38	0.00	0.00	3,197.79	63.40	171.78	2.6	151-171	169.8	4" PVC	6.92	20.3	11,780	1.0	-124.6	6.4	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.31	0.00	0.00	3,195.84	69.89	177.20	2.5	160-180	175.2	4" PVC	7.52	20.6	98,400	1.0	-196.9	0.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.24	0.00	0.00	3,196.44	14.92	121.16	2.2	98-118	119.2	4" PVC	7.08	21.8	5,590	1.1	164.8	1.9	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.44	0.00	0.00	3,195.06	65.59	174.03	2.2	154-174	172.0	4" PVC	6.35	20.1	118,500	2.2	-141.3	5.5	Clear	
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	7.03	21.8	3,080	2.1	-145.3	2.7	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.79	0.00	0.00	3,194.45	13.25	125.04	2.5	102-122	123.0	4" PVC	6.97	21.2	2,210	1.7	-21.1	6.1	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	6.86	20.0	3,220	2.3	-34.6	3.7	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	6.08	17.8	108,700	1.3	69.5	3.9	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.22	0.00	0.00	3,194.37	71.46	174.68	2.1	151-171	172.7	4" PVC	6.53	17.2	41,800	1.4	-22.7	3.9	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.38	0.00	0.00	3,198.89	20.22	130.60	1.6	103-128	125.6	4"PVC	7.49	20.3	1,186	3.3	-22.5	8.9	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.36	0.00	0.00	3,198.86	66.84	177.20	1.8	160-180	167.2	4"PVC	6.86	20.5	3,360	2.7	-74.7	4.2	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.97	0.00	0.00	3,197.52	19.33	128.30	1.8	102-127	123.3	4"PVC	7.38	20.6	764	2.0	17.9	12.3	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.81	0.00	0.00	3,197.54	67.98	176.79	1.8	160-180	166.8	4"PVC	7.31	20.7	719	2.3	36.0	2.6	Clear	
ACW-30S		27	28		Yes	3,300.17	NP	104.41	0.00	0.00	3,195.76	18.09	122.50	2.3	95-120	117.5	3" PVC	7.36	14.9	872	2.5	68.3	6.4	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.70	0.00	0.00	3,195.45	82.73	187.43	2.3	165-185	177.4	3" PVC	6.56	15.3	36,400	2.0	-90.8	6.2	Clear	
ACW-32S	4	29	30		Yes	3,299.60	NP	106.90	0.00	0.00	3,192.70	15.43	122.33	2.5	95-120	117.3	3" PVC	7.35	18.2	3,560	3.3	96.4	6.6	Clear	Not samp per EP, 1Q21; added to gauge
ACW-32D	5	30	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	7.39	19.4	2,290	2.3	-73.2	5.2	Clear	Not samp per EP, 1Q21; added to gauge
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.16	19.3	732	4.1	-47.9	2.0	Clear	
ENSR-01		31	33		Yes	3,306.71	NP	107.65	0.00	0.00	3,199.06	47.70	155.35	1.6	123-148	150.4	4" PVC	7.10	20.5	19,200	1.7	-190.1	1.3	Clear	
ENSR-03		32		3	No	3,305.05	NP	107.07	0.00	0.00	3,197.98	48.03	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		33	34		Yes	3,310.03	NP	109.25	0.00	0.00	3,200.78	54.68	163.93	AG	120-160	160.9	6" Steel	7.61	20.6	1,036	3.3	-209.1	2.7	Clear	
OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	17.0	1,342	5.4	31.1	9.2	Clear	
PTP-01		34	36		Yes	3,305.67	NP	107.65	0.00	0.00	3,198.02	NM	136.09	2.3	110-130	131.1	2" PVC	6.89	20.3	1,970	1.7	-171.5	2.1	Clear	
RW-01		35		4	No	3,302.16	NP	105.52	0.00	0.00	3,196.64	76.11	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		36		5	No	3,303.71	NP	109.11	0.00	0.00	3,194.60	64.54	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		37		6	No	3,302.65	NP	106.22	0.00	0.00	3,196.43	71.47	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		38		7	No	3,303.26	NP	108.48	0.00	0.00	3,194.78	67.68	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted March 23, 2021
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 1Q21", 3-10-21
ACW-26, ACW-27, ACW-28, and ACW-29 (installed in 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

+ Dup -01

Monitoring Well Purging and Sampling Record

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

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
3-23-21	910	NP	99.29	0.00	0.00	175.62	172.6	153-173				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
3-23-21	915	99.51	0.5	6.74	18.8	3080	5.5	104.3	8.7	Low-flow purge-sample with	Clear
	918	99.55	1.0	6.70	19.0	3060	5.2	105.3	7.9	HMI's dedicated bladder pump	
	920	99.57	1.5	6.68	19.0	3090	5.1	103.2	7.1		
	923	99.59	2.0	6.70	19.0	3100	5.0	102.7	6.6		
	925	99.60	2.5	6.71	19.0	3110	4.8	101.5	5.9		
	928	99.61	3.0	6.72	19.1	3130	4.7	100.9	5.2		
	930	99.63	3.5	6.73	19.1	3140	4.6	99.8	4.8		
	933	99.65	4.0	6.74	19.2	3160	4.4	99.1	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
												Lab: Eurofins TA, Houston, TX
3-23-21	935	ACW-13	99.65	6.74	19.2	3160	4.4	99.1	3.9	Per COC	Per Lab	
3-23-21	900	Dup-01	99.65	6.74	19.2	3160	4.4	99.1	3.9	same	same	

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
3-23-21	955	ND	100.26	0.00	0.00	176.22	173.2	157-177				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
3-23-21	1000	100.40	0.5	6.74	19.6	1150	5.5	96.6	6.7	Low-flow purge-sample with	Clear
	1003	100.42	1.0	6.84	19.7	1100	5.0	95.7	6.1	HMI's dedicated bladder pump	
	1005	100.45	1.5	6.85	19.7	1090	4.9	93.2	5.8		
	1008	100.45	2.0	6.87	19.7	1060	4.5	91.1	5.3		
	1010	100.45	2.5	6.90	19.8	1030	4.3	89.8	4.9		
	1013	100.45	3.0	6.93	19.8	1010	4.3	87.1	4.2		
	1015	100.45	3.5	6.95	19.9	1000	4.2	85.5	3.8		
	1018	100.45	4.0	6.96	19.9	997	4.2	83.3	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
3-23-21	1020	ACW-14	100.45	6.96	19.9	997	4.2	83.3	3.3	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
3-23-21	830	NP	102.23	0.00	0.00	171.57	168.6	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
3-23-21	835	102.25	0.5	6.25	18.7	1000	9.3	146.7	5.4	Low-flow purge-sample with	Clear
	838	102.25	1.0	6.37	19.0	990	7.4	139.8	4.8	HMI's dedicated bladder pump	
	840	102.25	1.5	6.56	19.1	980	6.7	131.6	4.1		
	843	102.25	2.0	6.71	19.2	975	5.5	122.6	3.9		
	845	102.25	2.5	6.80	19.3	975	5.4	115.2	3.5		
	848	102.25	3.0	6.91	19.3	974	5.4	110.9	3.2		
	850	102.25	3.5	6.93	19.3	972	5.3	107.4	2.9		
	853	102.25	4.0	6.95	19.4	972	5.3	103.3	2.5		

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 Lab: Eurofins TA, Houston, TX
3-23-21	855	ACW-15	102.25	6.95	19.4	972	5.3	103.3	2-5	Per COC	Per Lab	

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: SCD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/23/21	945	NA	NA	NA	NA	NA	NA	NA				Weather: Clear 50s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/23/21	950	NA	1.0	7.46	17.2	1327	5.7	37.9	12.9	OXY bldg. water supply well;	Clear
↓	951	↓	2.0	7.41	17.1	1331	5.5	35.6	10.1	sampled at outdoor spigot (to	↓
↓	952	↓	3.0	7.38	17.0	1338	5.5	33.8	9.5	right of front door; pliers may be	↓
↓	953	↓	4.0	7.37	17.0	1342	5.4	31.1	9.2	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
3/23/21	955	OXY Well	NA	7.37	17.0	1342	5.4	31.1	9.2	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: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: SCD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/23/21	920	NA	NA	NA	NA	NA	NA	NA				Weather: Clear 50s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/23/21	925	NA	1.0	7.20	18.7	738	4.3	-49.2	2.4	Mr. Doom's water supply well;	Clear
	926		2.0	7.18	18.9	736	4.2	-48.3	2.3	sampled at spigot inside	
	927		3.0	7.17	19.1	734	4.1	-48.0	2.2	Mr. Doom's shed; purged	
	928		4.0	7.16	19.3	732	4.1	-47.9	2.0	4 gal prior to sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/23/21	930	Doom Well	NA	7.16	19.3	732	4.1	-47.9	2.0	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

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
3-19-20	8:18	4.01/7.00	1,000	100%	10.0	235.7		DSD
3/19/20	820	4.01/7.00	1,000	100%	10.0	243.8		RB
6.24.20	755	4.01/7.00	1,000	100%	10.0	232.7		CJH
6/24/20	757	4.01/7.00	1,000	100%	10.0	254.0		BTB
9.24.20	745	4.01/7.00	1,000	100%	10.0	250.3		RJM
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.1		CJH
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.9		BB
12-9-20	740	4.01/7.00	1,000	100%	10.0	242.2		BRH
12/9/20	748	4.01/7.00	1,000	100%	10.0	251.8		BB
12.9.20	750	4.01/7.00	1,000	100%	10.0	240.3		CJH
12.9.20	753	4.01/7.00	1,000	100%	10.0	255.8		CMB
12-9-20	755	4.01/7.00	1,000	100%	10.0	227.6		DSD
3/23/21	810	4.01/7.00	1,000	100%	10.0	239.8		SCD
3-23-21	813	4.01/7.00	1,000	100%	10.0	246.9		BB
3-23-21	815	4.01/7.00	1,000	100%	10.0	239.1		MDB

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: ~~Mr.~~ Wally Gilmore	Sampler: Scott Duncan + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s): 1492 3327 8248
Company: AECOM	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM
Address: 19219 Katy Frwy, Ste 100	Due Date Requested:		COC No: 400-101670-36074.1
City: Houston	TAT Requested (days):		Page: Page 1 of 1
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No		Job #:
Phone: 713-542-4523	PO #: WD801914		
Email: wallace.gilmore@aecom.com	WO #:		
Project Name: Jal #4 Gas Plant 2021	Project #: 40013867		
Site:	SSOW#:		

Analysis Requested: 8260 (MOD) (MOD) Chloride; 300.0 Sodium; 8260 BTEX; (TDS) 2540C Local Method; 2320 Specific Conductance

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	Chloride	Sodium	BTEX	TDS	Specific Conductance	Special Instructions/Note
ACW-13	3/23/21	935	G	Water	✓	✓	✓	✓	✓	
ACW-14	↓	1020	↓	Water	✓	✓	✓	✓	✓	
ACW-15	↓	855	↓	Water	✓	✓	✓	✓	✓	
Doom Well	↓	930	↓	Water	✓	✓	✓	✓	✓	
OXY Well	↓	955	↓	Water	✓	✓	✓	✓	✓	
Dup-01	↓	900	↓	Water	✓	✓	✓	✓	✓	
Trip Blank	↓	—	↓	Water			✓			

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

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment: FedEx 1492 3327 8248

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Scott [signature]	3/23/21 1120	HMI			

Custody Seals Intact: Δ Yes Δ No — Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

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-03-10-21-ARS-01
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#: WD801914

Lab Cost Cluster: CC06_Monitoring Lab Subtask: Lab - I (1.4, 2.3, 7.3, 8.4)(19)

Project Billing : [x] 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

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: 3/22/2021 Anticipated Completion Date: 3/22/2021

Frequency of Sampling: Sampling Plan Attached: 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 [x] Copy on ARF Distribution

Address: 1001 Louisiana Street, Room 757A
Houston, TX 770022

KM Project Manager: Joe Wiley

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

Designated Consultant Contact

Designated Consultant Firm Name: AECOM [x] Copy on ARF Distribution

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 [x] Copy on ARF Distribution

Address: 3355 McLemore Drive
Pensacola, FL 32514

Laboratory Project Manager: Marty Edwards

Phone : 850-384-4227 (cell) Fax: E-mail: Marty.Edwards@Eurofinset.com

Additional Parties to Receive ARF:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

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 **10** **MB** or Unlimited
Forward the Electronic Data Deliverables to:

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

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:	Name:	Wally Gilmore	Date:	3/10/2021
Laboratory Acceptance:	Name:	Marty Edwards	Date:	3/10/2021
Revision 1:	Name:	Joe Wiley	Date:	3/10/2021
	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 Investigatory Samples	Number of Samples for Hold/Archival	*Quality Control Samples* MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates	Total Number of Samples Expected	Total Number of Samples Analyzed	***For Laboratory Use Only*** Number of Samples Received by Laboratory	Unit Rate	Total Cost
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	**7**				
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	**6**				
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	**6**				
Sodium	EPA SW846 6010B	W	L2/28D	5	0	0	0	0	1	**6**				
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	**6**				

$ -

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: 8/1/2018

Shipping Return:

FedEx UPS Laboratory Courrier

Saturday Receipt

Jal #4_2021 1st Qtr ERG ARF

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to:		***LAB USE ONLY***
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 delivered to HMI by March 16, 2021 and provide return shipping labels with the cooler(s).

Phone Logs and Project Correspondence

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

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

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

Groundwater Sampling Methodology

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

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

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

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

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

Decontamination Procedures

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

HMI Deliverables

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

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

June 18, 2021

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

Subject: 2Q21 Groundwater Monitoring, June 16, 2021
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

1. HMI equipped the sampled-well network with HMI-owned dedicated bladder pumps in 2017. 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). HMI equips all sampled wells with HMI-owned dedicated bladder pumps, to increase sample quality and field efficiencies. HMI respectfully requests the opportunity to retrieve the pumps when HMI's monitoring obligations are completed at the site.

2. 2Q21 sitewide gauging and limited groundwater sampling (ACW-13, 14, 15, (32S, 32D eliminated from sampling per Joe Wiley, since 3-10-21), and two water wells (Doom Well & OXY Well) was conducted June 16, 2021.

3. 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.

4. Field QA/QC Sampling:

   Dup-01 @ ACW-13 (all parameters)
   Trip Blank (BTEX)

5. Per EP, beginning 4Q20, groundwater samples submitted to:
   Eurofins Test America-Pensacola, FL (Marty Edwards, PM)
   3355 McLemore Drive
   Pensacola, FL 32514
   FedEx account # - 2301-5223-3

   Proper chain-of-custody was maintained.

6. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated during routine groundwater monitoring, in an agency-approved, safe, and 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), was strapped (on wooden pallet) to adjacent steel posts, surrounding RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating "24/7", since 2Q20. The 5 gallons of purgewater from 1Q21 event was fully-evaporated; five (5) gallons were added in the 2Q21 event.

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 – 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)

7. Site notes:
   AECOM notifies Jal Facility Mgr. prior to sampling events; EP notifies Oxy's Dusty Wilson, per note below:

   Contact for Oxy regarding their field station where we sample the water well. There have been on and off very low exceedances of the 250 mg/l New Mexico standard for chlorides and I needed to notify them. The contact, Dusty Wilson, indicated that personnel who enter that facility must have H2S training and have an H2S monitor operating. Mr. Wilson stated there is a significant amount of H2S associated with the tank battery. He also indicated they would like a few days prior notice so they know who is coming and going out there, so if you can email me with the scheduled sample dates as they come along I will pass that along to Dusty.
   Thanks,
   Joseph (Joe) Wiley, P.G.
   Project Manager - Pipeline Remediation
   Kinder Morgan, Inc.
   Phone: 713-420-3475
   Cell Phone: 832-279-1610
   Joe_wiley@kindermorgan.com

   Site Contact: Bill Evans (575-441-4101); Jal Police Ph. on JHA per Bill (575-395-2501).

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

   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 the right)..see below.

   Per KM, beginning 4Q20, selected lab changed from Eurofins Xenco-Stafford, TX (Bethany McDaniel) to Eurofins TA-Pensacola, FL (Marty Edwards).

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

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude

Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on June 18, 2021.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Scott Duncan, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
June 16, 2021

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	105.23	0.00	0.00	3,196.92	30.22	135.45	1.9	110-130	130.5	4" PVC	8.90	20.6	14,700	1.0	-296.0	1.7	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.53	0.00	0.00	3,196.63	19.96	125.49	2.0	98-118	120.5	4" PVC	10.36	20.7	13,800	1.1	-384.1	2.6	Clear	
ACW-03		3		1	No	3,301.62	NP	105.14	0.00	0.00	3,196.48	29.98	135.12	1.6	112-132	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-04		4	3		Yes	3,302.05	NP	107.09	0.00	0.00	3,194.96	64.01	171.10	1.7	154-169	169.1	4" PVC	7.22	20.5	110,100	1.4	-243.3	3.0	Clear	
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	17.1	7,940	1.6	-82.4	7.4	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.26	0.00	0.00	3,195.58	15.37	122.63	1.7	110-120	119.6	4" PVC	8.43	17.5	5,980	1.5	-174.6	4.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.30	0.00	0.00	3,195.33	15.09	117.39	1.5	105-115	114.4	4" PVC	7.22	17.2	8,400	1.6	-131.1	3.7	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	6.41	21.5	29,600	1.6	-39.0	4.6	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.31	0.00	0.00	3,193.51	56.73	163.04	2.5	140-160	160.0	4" PVC	6.65	21.4	7,810	1.8	94.1	7.2	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.64	0.00	0.00	3,196.00	56.04	161.68	2.1	140-161	159.7	4" PVC	6.38	22.9	36,800	1.9	-34.6	5.3	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.38	0.00	0.00	3,192.42	62.55	171.93	2.5	150-170	168.9	4" PVC	6.66	22.5	6,540	2.1	-82.7	7.0	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.27	0.00	0.00	3,192.45	76.35	175.62	2.0	153-173	172.6	4" PVC	6.64	21.2	3,660	2.4	97.1	2.9	Clear	Dup-01
ACW-14	2		12		Yes	3,294.74	NP	100.24	0.00	0.00	3,194.50	75.98	176.22	2.0	157-177	173.2	4" PVC	6.97	21.2	966	3.2	78.5	3.0	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.24	0.00	0.00	3,190.51	69.33	171.57	2.3	150-170	168.6	4" PVC	6.56	20.6	1,010	3.0	87.4	1.8	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.33	0.00	0.00	3,198.56	67.61	176.94	2.4	156-176	174.9	4" PVC	7.50	20.1	23,200	1.4	-230.8	0.9	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.45	0.00	0.00	3,197.72	63.33	171.78	2.6	151-171	169.8	4" PVC	6.92	20.3	11,780	1.0	-124.6	6.4	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.30	0.00	0.00	3,195.85	69.90	177.20	2.5	160-180	175.2	4" PVC	7.52	20.6	98,400	1.0	-196.9	0.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.23	0.00	0.00	3,196.45	14.93	121.16	2.2	98-118	119.2	4" PVC	7.08	21.8	5,590	1.1	164.8	1.9	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.44	0.00	0.00	3,195.06	65.59	174.03	2.2	154-174	172.0	4" PVC	6.35	20.1	118,500	2.2	-141.3	5.5	Clear	
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	7.03	21.8	3,080	2.1	-145.3	2.7	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.88	0.00	0.00	3,194.36	13.16	125.04	2.5	102-122	123.0	4" PVC	6.97	21.2	2,210	1.7	-21.1	6.1	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.99	0.00	0.00	3,194.30	57.72	169.71	2.3	147-167	167.7	4" PVC	6.86	20.0	3,220	2.3	-34.6	3.7	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.75	0.00	0.00	3,194.81	78.37	189.12	2.2	166-186	187.1	4" PVC	6.08	17.8	108,700	1.3	69.5	3.9	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	6.53	17.2	41,800	1.4	-22.7	3.9	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.43	0.00	0.00	3,198.84	20.17	130.60	1.6	103-128	125.6	4"PVC	7.49	20.3	1,186	3.3	-22.5	8.9	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.41	0.00	0.00	3,198.81	66.79	177.20	1.8	160-180	167.2	4"PVC	6.86	20.5	3,360	2.7	-74.7	4.2	Clear	
ACW-28		25	26		Yes	3,306.49	NP	109.04	0.00	0.00	3,197.45	19.26	128.30	1.8	102-127	123.3	4"PVC	7.38	20.6	764	2.0	17.9	12.3	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	7.31	20.7	719	2.3	36.0	2.6	Clear	
ACW-30S		27	28		Yes	3,300.17	NP	104.47	0.00	0.00	3,195.70	18.03	122.50	2.3	95-120	117.5	3" PVC	7.36	14.9	872	2.5	68.3	6.4	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.77	0.00	0.00	3,195.38	82.66	187.43	2.3	165-185	177.4	3" PVC	6.56	15.3	36,400	2.0	-90.8	6.2	Clear	
ACW-32S	4	29	30		Yes	3,299.60	NP	106.98	0.00	0.00	3,192.62	15.35	122.33	2.5	95-120	117.3	3" PVC	7.35	18.2	3,560	3.3	96.4	6.6	Clear	
ACW-32D	5	30	31		Yes	3,299.61	NP	106.96	0.00	0.00	3,192.65	65.68	172.64	2.5	150-170	162.6	3" PVC	7.39	19.4	2,290	2.3	-73.2	5.2	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.14	21.1	738	4.0	-54.8	1.5	Clear	
ENSR-01		31	33		Yes	3,306.71	NP	107.71	0.00	0.00	3,199.00	47.64	155.35	1.6	123-148	150.4	4" PVC	7.10	20.5	19,200	1.7	-190.1	1.3	Clear	
ENSR-03		32		3	No	3,305.05	NP	107.14	0.00	0.00	3,197.91	47.96	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		33	34		Yes	3,310.03	NP	109.24	0.00	0.00	3,200.79	54.69	163.93	AG	120-160	160.9	6" Steel	7.61	20.6	1,036	3.3	-209.1	2.7	Clear	
OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	21.4	1,346	5.2	25.1	8.9	Clear	
PTP-01		34	36		Yes	3,305.67	NP	107.69	0.00	0.00	3,197.98	NM	136.09	2.3	110-130	131.1	2" PVC	6.89	20.3	1,970	1.7	-171.5	2.1	Clear	
RW-01		35		4	No	3,302.16	NP	105.51	0.00	0.00	3,196.65	76.12	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		36		5	No	3,303.71	NP	109.28	0.00	0.00	3,194.43	64.37	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		37		6	No	3,302.65	NP	106.21	0.00	0.00	3,196.44	71.48	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		38		7	No	3,303.26	NP	108.49	0.00	0.00	3,194.77	67.67	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted June 16, 2021
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 in 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

+ Dup-01

Monitoring Well Purging and Sampling Record

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

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BA
Well Condition:

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
6-16-21	925	NP	99.27	0.00	0.00	175.62	172.6	153-173				Weather: Sunny, 80's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6-16-21	930	99.50	0.5	6.97	22.6	3400	4.0	97.0	10.1	Low-flow purge-sample with	Clear
	933	99.53	1.0	6.80	21.7	3500	3.7	103.6	8.8	HMI's dedicated bladder pump	
	935	99.57	1.5	6.76	21.6	3570	3.0	102.0	7.2		
	938	99.60	2.0	6.60	21.5	3600	2.8	101.1	6.6		
	940	99.64	2.5	6.61	21.5	3620	2.7	100.2	4.9		
	943	99.67	3.0	6.63	21.3	3640	2.5	98.3	4.0		
	945	99.72	3.5	6.64	21.3	3650	2.5	97.4	3.3		
	948	99.75	4.0	6.64	21.2	3660	2.4	97.1	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
6-16-21	950	ACW-13	99.75	6.64	21.2	3660	2.4	97.1	2.9	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX
6-16-21	800	Dup-01	99.75	6.64	21.2	3660	2.4	97.1	2.9	same	same	

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Eunice #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
6/16/21	840	NP	100.24	0.00	0.00	176.22	173.2	157-177				Weather: SUNNY, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/16/21	845	100.43	0.5	7.03	22.6	1010	4.5	84.0	8.0	Low-flow purge-sample with	clear
	848	100.46	1.0	6.98	22.3	990	3.8	86.8	6.9	HMI's dedicated bladder pump	
	850	100.50	1.5	6.90	22.0	970	3.6	87.1	6.1		
	853	100.50	2.0	6.88	22.0	968	3.5	85.6	5.5		
	855	100.50	2.5	6.90	21.8	966	3.3	82.4	4.9		
	858	100.50	3.0	6.92	21.6	965	3.3	81.0	4.2		
	900	100.50	3.5	6.94	21.5	966	3.2	79.3	3.6		
	903	100.50	4.0	6.97	21.2	966	3.2	78.5	3.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6/16/21	905	ACW-14	100.50	6.97	21.2	966	3.2	78.5	3.0	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Monitoring Well Purging and Sampling Record

Paso Natural Gas Company
l #4 Gas Plant
ea County, New Mexico

Well: ACW-15

Hydrologic Monitoring
Houston, Texas

ell 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
6-16-21	800	NP	102.24	0.00	0.00	171.57	168.6	150-170				Weather: Sunny, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6-16-21	805	102.29	0.5	6.30	21.1	1000	3.3	105.3	7.4	Low-flow purge-sample with	Clear
	808	102.29	1.0	6.42	20.8	1010	3.2	101.4	6.1	HMI's dedicated bladder pump	
	810	102.29	1.5	6.45	20.8	1012	3.1	98.9	5.0		
	813	102.29	2.0	6.48	20.7	1012	3.1	95.7	4.4		
	815	102.29	2.5	6.50	20.7	1011	3.2	93.1	3.1		
	818	102.29	3.0	6.52	20.6	1011	3.1	91.9	2.6		
	820	102.29	3.5	6.55	20.6	1010	3.1	89.6	2.0		
	823	102.29	4.0	6.56	20.6	1010	3.0	87.4	1.8		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6-16-21	825	ACW-15	102.29	6.56	20.6	1010	3.0	87.4	1.8	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Monitoring Well Purging and Sampling Record

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

Well: OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BTA/SCD
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
6/16/21	945	NA	NA	NA	NA	NA	NA	NA				Weather: Clear 80's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/16/21	950	NA	1.0	7.43	21.9	1339	5.5	29.1	13.0	OXY bldg. water supply well;	Clear
↓	951	↓	2.0	7.41	21.5	1342	5.3	27.5	9.5	sampled at outdoor spigot (to	↓
	952		3.0	7.40	21.4	1345	5.2	26.3	9.0	right of front door; pliers may be	
	953		4.0	7.39	21.4	1346	5.2	25.1	8.9	needed); purge 4 gal prior to	
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6/16/21	955	OXY Well	NA	7.39	21.4	1346	5.2	25.1	8.9	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

Monitoring Well Purging and Sampling Record

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

Well: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: SCD/BTB
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
6/16/21	925	NA	NA	NA	NA	NA	NA	NA				Weather: Clear 80's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/16/21	930	NA	1.0	7.18	21.5	745	4.2	-51.6	2.1	Mr. Doom's water supply well;	Clear
	931	↓	2.0	7.16	21.3	741	4.1	-53.1	1.9	sampled at spigot inside	↓
	932		3.0	7.15	21.2	739	4.1	-54.0	1.7	Mr. Doom's shed; purged	
	933		4.0	7.14	21.1	738	4.0	-54.8	1.5	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
6/16/21	935	Doom Well	NA	7.14	21.1	738	4.0	-54.8	1.5	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

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
3-19-20	8:18	4.01/7.00	1,000	100%	10.0	235.7		DSD
3/19/20	820	4.01/7.00	1,000	100%	10.0	243.8		RB
6.24.20	755	4.01/7.00	1,000	100%	10.0	232.7		CJH
6/24/20	757	4.01/7.00	1,000	100%	10.0	254.0		BTB
9.24.20	745	4.01/7.00	1,000	100%	10.0	250.3		RJM
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.1		CJH
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.9		BB
12-9-20	740	4.01/7.00	1,000	100%	10.0	242.2		BRH
12/9/20	748	4.01/7.00	1,000	100%	10.0	251.8		BB
12.9.20	750	4.01/7.00	1,000	100%	10.0	240.3		CJH
12.9.20	753	4.01/7.00	1,000	100%	10.0	255.8		CMB
12-9-20	755	4.01/7.00	1,100	100%	10.0	227.6		DSD
3/23/21	810	4.01/7.00	1,000	100%	10.0	239.8		SCD
3-23-21	813	4.01/7.00	1,000	100%	10.0	246.9		BA
3-23-21	815	4.01/7.00	1,000	100%	10.0	239.1		MDB
6-16-21	640	4.01/7.00	1,000	100%	10.0	222.4		BA
6/16/21	643	4.01/7.00	1,000	100%	10.0	260.7		BB

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Duncan + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s): 1482 3808 8299	COC No: 400-103259-36074.1
Client Contact: Mr. ~~Scott Ude~~ Wally Gilmore	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 1
Company: ~~Hydrologic Monitoring~~ AECOM	PWSID:			Job #:
Address: ~~1634 W Bell N~~ 19219 Katy Frwy, Ste 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, ~~77043~~ 77094	Compliance Project: Δ Yes Δ No			
Phone: ~~713-520-990(Tel) 713-520-680(Fax)~~ 713-542-9523	PO #: WD801914			
Email: wallace.gilmore@aecom.com ~~ude@hmigroundwater.com~~	WO #:			
Project Name: Jal #4 Gas Plant ~~1Q21~~ 2Q21	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MS	9056_ORGFM_28D - Chloride	6010B - Sodium	8260B - BTEX	2540C - Local Method (TDS)	120.1 - Specific Conductance	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	N	N		
ACW-13	6/16/21	950	G	Water			✓	✓	✓	✓	✓		
ACW-14		905		Water			✓	✓	✓	✓	✓		
ACW-15		825		Water			✓	✓	✓	✓	✓		
Doom well		935		Water			✓	✓	✓	✓	✓		
OXY well		955		Water			✓	✓	✓	✓	✓		
Dup-01		800		Water			✓	✓	✓	✓	✓		
Trip Blank	↓	—	↓	Water					✓				

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
W - pH 4-5
Z - other (specify)
Other:

400-204812 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:	Date:	Time:	Method of Shipment: FedEx

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Scott D	6/16/21 1100	HMI			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					6-17-21 0952	TA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.7oC IR-9

Ver: 11/01/2020

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-05-27-21-ARS-02
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#: WD801914

Lab Cost Cluster: CC06_Monitoring Lab Subtask: Lab - I (1.4, 2.3, 7.3, 8.4)(19)

Project Billing : [x] 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

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: 6/16/2021 Anticipated Completion Date: 6/16/2021

Frequency of Sampling: Sampling Plan Attached: 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 770022

KM Project Manager: Joe Wiley

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

Designated Consultant Contact

Designated Consultant Firm Name: AECOM ☑ Copy on ARF Distribution

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 ☑ Copy on ARF Distribution

Address: 3355 McLemore Drive
Pensacola, FL 32514

Laboratory Project Manager: Marty Edwards

Phone : 850-384-4227 (cell) Fax: E-mail: Marty.Edwards@Eurofinset.com

Additional Parties to Receive ARF:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

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@aecom.com

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:	Name:	Wally Gilmore	Date:	5/27/2021
Laboratory Acceptance:	Name:	Marty Edwards	Date:	5/27/2021
Revision 1:	Name:	Joe Wiley	Date:	5/27/2021
	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 Investigatory Samples	Number of Samples for Hold/Archival	*Quality Control Samples* MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates	Total Number of Samples Expected	Total Number of Samples Analyzed	***For Laboratory Use Only*** Number of Samples Received by Laboratory	Unit Rate	Total Cost
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	**7**				
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	**6**				
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	**6**				
Sodium	EPA SW846 6010B	W	L2/28D	5	0	0	0	0	1	**6**				
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	**6**				

$ -

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: 6/4/2021

Shipping Return:

FedEx UPS Laboratory Courrier

Saturday Receipt

Jal #4_2021 2nd Qtr ERG ARF

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to:		***LAB USE ONLY***
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 delivered to HMI by June 4, 2021 and provide return shipping labels with the cooler(s).

Phone Logs and Project Correspondence

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

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

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

Groundwater Sampling Methodology

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

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

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

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

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

Decontamination Procedures

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

HMI Deliverables

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

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

September 24, 2021

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

Subject: 3Q21 Groundwater Monitoring, September 15, 2021
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

1. HMI equipped the sampled-well network with HMI-owned dedicated bladder pumps in 2017. 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). HMI has equipped all sampled wells with HMI-owned dedicated bladder pumps, to increase sample quality and field efficiencies. HMI respectfully requests the opportunity to retrieve these pumps when HMI's monitoring obligations are completed at the site.

2. 2Q21 sitewide gauging and limited groundwater sampling (ACW-13, 14, 15, (32S, 32D eliminated from sampling per Joe Wiley, since 3-10-21), and two water wells (Doom Well & Fmr OXY Well; as well as one chloride sample added per email 9-10-21 at ACW-09) was conducted September 15, 2021. Note – Oxy sold its property to JR Oil and Gas, pre 3Q21, per EP.

3. 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.

4. Field QA/QC Sampling:

   Dup-01 @ ACW-13 (all parameters)
   Trip Blank (BTEX)

5. Per EP, beginning 4Q20, groundwater samples submitted to:
   Eurofins Test America-Pensacola, FL (Marty Edwards, PM)
   3355 McLemore Drive
   Pensacola, FL 32514
   FedEx account # - 2301-5223-3

   Proper chain-of-custody was maintained.

6. HMI prototyped a *ventilated barrel cover*, for evaporating investigation-derived waste (IDW) purgewater, generated during routine groundwater monitoring, in an agency-approved, safe, and 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), was strapped (on wooden pallet) to adjacent steel posts, surrounding RW-2 (east-side of Hwy). IDW purgewater has been successfully-evaporating "24/7", since 2Q20. The 5 gallons of purgewater from 2Q21 event was fully-evaporated; five (5) gallons were added in the 3Q21 event.

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 – 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)

7. Site notes:
   AECOM notifies Jal Facility Mgr. prior to sampling events; EP notifies JR Oil and Gas regarding Fmr Oxy Well sampling

   HMI to contact Israel at Energy Transfer (432-290-8677) to request access to "Plant, Jal #4 Booster Station", day prior to field activities, so that Israel can arrange to open the gate, so HMI can access EPNG-01 (beginning 4Q21).

   Site Contact: Bill Evans (575-441-4101); Jal Police Ph. on JHA per Bill (575-395-2501).

   Monitor well lock keys are maintained in 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).

   Per KM, beginning 4Q20, selected lab changed from Eurofins Xenco-Stafford, TX (Bethany McDaniel) to Eurofins TA-Pensacola, FL (Marty Edwards).

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

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude

Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on September 24, 2021.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Scott Duncan, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
September 15, 2021

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	105.25	0.00	0.00	3,196.90	30.20	135.45	1.9	110-130	130.5	4" PVC	8.90	20.6	14,700	1.0	-296.0	1.7	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	10.36	20.7	13,800	1.1	-384.1	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	107.07	0.00	0.00	3,194.98	64.03	171.10	1.7	154-169	169.1	4" PVC	7.22	20.5	110,100	1.4	-243.3	3.0	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.09	0.00	0.00	3,194.09	14.28	117.37	1.5	105-115	114.4	4" PVC	6.28	17.1	7,940	1.6	-82.4	7.4	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.24	0.00	0.00	3,195.60	15.39	122.63	1.7	110-120	119.6	4" PVC	8.43	17.5	5,980	1.5	-174.6	4.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.26	0.00	0.00	3,195.37	15.13	117.39	1.5	105-115	114.4	4" PVC	7.22	17.2	8,400	1.6	-131.1	3.7	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	110.19	0.00	0.00	3,194.50	52.29	162.48	2.4	140-160	159.5	4" PVC	6.33	20.1	24,300	1.3	-42.8	4.9	Clear	Chloride-only analyzed in 3Q21, per EP
ACW-10		10	8		Yes	3,299.82	NP	106.29	0.00	0.00	3,193.53	56.75	163.04	2.5	140-160	160.0	4" PVC	6.65	21.4	7,810	1.8	94.1	7.2	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	6.38	22.9	36,800	1.9	-34.6	5.3	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.35	0.00	0.00	3,192.45	62.58	171.93	2.5	150-170	168.9	4" PVC	6.66	22.5	6,540	2.1	-82.7	7.0	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.26	0.00	0.00	3,192.46	76.36	175.62	2.0	153-173	172.6	4" PVC	6.94	20.2	4,030	2.4	82.6	6.4	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	7.04	19.6	970	1.9	64.8	6.0	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.17	0.00	0.00	3,190.58	69.40	171.57	2.3	150-170	168.6	4" PVC	6.68	19.8	1,080	1.8	103.1	5.4	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.30	0.00	0.00	3,198.59	67.64	176.94	2.4	156-176	174.9	4" PVC	7.50	20.1	23,200	1.4	-230.8	0.9	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.42	0.00	0.00	3,197.75	63.36	171.78	2.6	151-171	169.8	4" PVC	6.92	20.3	11,780	1.0	-124.6	6.4	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.30	0.00	0.00	3,195.85	69.90	177.20	2.5	160-180	175.2	4" PVC	7.52	20.6	98,400	1.0	-196.9	0.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.24	0.00	0.00	3,196.44	14.92	121.16	2.2	98-118	119.2	4" PVC	7.08	21.8	5,590	1.1	164.8	1.9	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.43	0.00	0.00	3,195.07	65.60	174.03	2.2	154-174	172.0	4" PVC	6.35	20.1	118,500	2.2	-141.3	5.5	Clear	
ACW-21		18	19		Yes	3,301.82	NP	105.71	0.00	0.00	3,196.11	14.81	120.52	2.1	98-118	118.5	4" PVC	7.03	21.8	3,080	2.1	-145.3	2.7	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.88	0.00	0.00	3,194.36	13.16	125.04	2.5	102-122	123.0	4" PVC	6.97	21.2	2,210	1.7	-21.1	6.1	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.96	0.00	0.00	3,194.33	57.75	169.71	2.3	147-167	167.7	4" PVC	6.86	20.0	3,220	2.3	-34.6	3.7	Clear	
ACW-24		21	22		Yes	3,305.56	NP	110.86	0.00	0.00	3,194.70	78.26	189.12	2.2	166-186	187.1	4" PVC	6.08	17.8	108,700	1.3	69.5	3.9	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.22	0.00	0.00	3,194.37	71.46	174.68	2.1	151-171	172.7	4" PVC	6.53	17.2	41,800	1.4	-22.7	3.9	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.41	0.00	0.00	3,198.86	20.19	130.60	1.6	103-128	125.6	4"PVC	7.49	20.3	1,186	3.3	-22.5	8.9	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	6.86	20.5	3,360	2.7	-74.7	4.2	Clear	
ACW-28		25	26		Yes	3,306.49	NP	109.02	0.00	0.00	3,197.47	19.28	128.30	1.8	102-127	123.3	4"PVC	7.38	20.6	764	2.0	17.9	12.3	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.84	0.00	0.00	3,197.51	67.95	176.79	1.8	160-180	166.8	4"PVC	7.31	20.7	719	2.3	36.0	2.6	Clear	
ACW-30S		27	28		Yes	3,300.17	NP	104.44	0.00	0.00	3,195.73	18.06	122.50	2.3	95-120	117.5	3" PVC	7.36	14.9	872	2.5	68.3	6.4	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	6.56	15.3	36,400	2.0	-90.8	6.2	Clear	
ACW-32S	4	29	30		Yes	3,299.60	NP	106.97	0.00	0.00	3,192.63	15.36	122.33	2.5	95-120	117.3	3" PVC	7.35	18.2	3,560	3.3	96.4	6.6	Clear	
ACW-32D	5	30	31		Yes	3,299.61	NP	106.94	0.00	0.00	3,192.67	65.70	172.64	2.5	150-170	162.6	3" PVC	7.39	19.4	2,290	2.3	-73.2	5.2	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.11	22.6	767	4.6	-63.3	1.1	Clear	
ENSR-01		31	33		Yes	3,306.71	NP	107.64	0.00	0.00	3,199.07	47.71	155.35	1.6	123-148	150.4	4" PVC	7.10	20.5	19,200	1.7	-190.1	1.3	Clear	
ENSR-03		32		3	No	3,305.05	NP	107.09	0.00	0.00	3,197.96	48.01	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		33	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	7.61	20.6	1,036	3.3	-209.1	2.7	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.21	26.0	1,387	4.9	-50.8	8.9	Clear	
PTP-01		34	36		Yes	3,305.67	NP	107.66	0.00	0.00	3,198.01	NM	136.09	2.3	110-130	131.1	2" PVC	6.89	20.3	1,970	1.7	-171.5	2.1	Clear	
RW-01		35		4	No	3,302.16	NP	105.50	0.00	0.00	3,196.66	76.13	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		36		5	No	3,303.71	NP	109.27	0.00	0.00	3,194.44	64.38	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		37		6	No	3,302.65	NP	106.21	0.00	0.00	3,196.44	71.48	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		38		7	No	3,303.26	NP	108.48	0.00	0.00	3,194.78	67.68	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted September 15, 2021
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 in 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

+ Dup-01

Monitoring Well Purging and Sampling Record

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

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
9-15-21	1115	NP	99.26	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
9-15-21	1120	99.48	0.5	6.92	22.0	4000	3.0	90.1	9.9	Low-flow purge-sample with	clear
	1123	99.52	1.0	6.89	21.5	3980	2.7	100.2	9.4	HMI's dedicated bladder pump	
	1125	99.57	1.5	6.84	21.1	4000	2.6	102.6	8.7		
	1128	99.63	2.0	6.80	20.8	4010	2.6	100.4	8.3		
	1130	99.67	2.5	6.84	20.4	4010	2.5	95.6	7.9		
	1133	99.71	3.0	6.88	20.4	4020	2.5	90.7	7.1		
	1135	99.75	3.5	6.92	20.2	4020	2.4	88.4	6.7		
	1138	99.78	4.0	6.94	20.2	4030	2.4	82.6	6.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-15-21	1140	ACW-13	99.78	6.94	20.2	4030	2.4	82.6	6.4	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX
9-15-21	1100	Dup-01	99.78	6.94	20.2	4030	2.4	82.6	6.4	Same	Same	Same

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
9-15-21	1030	ND	100.23	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
9-15-21	1035	100.45	0.5	7.29	21.4	1000	3.0	62.8	10.1	Low-flow purge-sample with	Clear
	1038	100.49	1.0	7.10	20.5	990	2.6	72.5	9.4	HMI's dedicated bladder pump	
	1040	100.55	1.5	6.99	20.2	984	2.3	74.1	8.9		
	1043	100.60	2.0	6.96	19.9	981	2.1	73.8	8.4		
	1045	100.60	2.5	6.95	19.8	979	2.0	71.7	7.8		
	1048	100.60	3.0	6.98	19.8	977	2.0	68.2	7.2		
	1050	100.60	3.5	7.01	19.6	974	2.0	67.4	6.6		
	1053	100.60	4.0	7.04	19.6	970	1.9	64.8	6.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-15-21	1055	ACW-14	100.60	7.04	19.6	970	1.9	64.8	6.0	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
9-15-21	1200	NP	102.17	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
9-15-21	1205	102.31	0.5	6.81	21.7	1200	3.0	116.0	8.8	Low-flow purge-sample with	Clear
	1208	102.33	1.0	6.42	20.9	1110	2.6	124.4	8.2	HMI's dedicated bladder pump	
	1210	102.35	1.5	6.46	20.5	1100	2.2	122.7	7.7		
	1213	102.37	2.0	6.51	20.2	1100	2.0	117.0	7.1		
	1215	102.37	2.5	6.58	20.1	1090	2.0	112.8	6.6		
	1218	102.37	3.0	6.62	20.0	1090	1.8	109.4	6.0		
	1220	102.37	3.5	6.65	19.9	1080	1.8	106.2	5.8		
	1223	102.37	4.0	6.68	19.8	1080	1.8	103.1	5.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Lab: Eurofins TA, Houston, TX
9-15-21	1225	ACW-15	102.37	6.68	19.8	1080	1.8	103.1	5.4	Per COC	Per Lab	

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: 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
9/15/21	1235	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 80'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
9/15/21	1240	NM	1.0	7.16	23.4	779	5.2	-61.8	1.8	Mr. Doom's water supply well;	Clear
	1241		2.0	7.13	22.9	771	4.9	-62.4	1.5	sampled at spigot inside	"
	1242		3.0	7.12	22.7	768	4.7	-63.0	1.3	Mr. Doom's shed; purged	"
↓	1243	↓	4.0	7.11	22.6	767	4.6	-63.3	1.1	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 Lab: Eurofins TA, Houston, TX
9/15/21	1245	Doom Well	NM	7.11	22.6	767	4.6	-63.3	1.1	Per COC	Per Lab	

Monitoring Well Purging and Sampling Record

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

Well: fmr OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BB
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/15/21	1200	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 80s

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
9/15/21	1205	NA	1.0	7.27	26.3	1379	5.1	-46.2	12.1	OXY bldg. water supply well;	Clear
↓	1206	↓	2.0	7.24	26.1	1384	5.0	-49.3	10.3	sampled at outdoor spigot (to	"
	1207		3.0	7.22	26.0	1386	5.0	-50.2	9.2	right of front door; pliers may be	"
↓	1208	↓	4.0	7.21	26.0	1387	4.9	-50.8	8.9	needed); purge 4 gal prior to	"
										sampling	

Well Sampling Record

Date	Time	Sample I.D. fmr	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Lab: Eurofins TA, Houston, TX
9/15/21	1210	OXY Well	NA	7.21	26.0	1387	4.9	-50.8	8.9	Per COC	Per Lab	

Monitoring Well Purging and Sampling Record

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

Well: ACW-09

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
9-15-21	1240	NP	110.19	0.00	0.00	162.48	159.5	140-160				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
9-15-21	1245	110.43	0.5	6.23	21.0	24,000	2.0	-25.2	8.0	Low-flow purge-sample with	clear
↓	1248	110.45	1.0	6.19	20.8	24,100	1.8	-30.4	7.6	HMI's dedicated bladder pump	↓
	1250	110.45	1.5	6.17	20.6	24,140	1.7	-34.5	7.1		
	1253	110.45	2.0	6.26	20.4	24,180	1.6	-38.7	6.7		
	1255	110.45	2.5	6.25	20.2	24,260	1.6	-40.5	6.2		
	1258	110.45	3.0	6.29	20.3	24,240	1.4	-40.9	5.8		
	1300	110.45	3.5	6.31	20.1	24,280	1.4	-41.4	5.3		
↓	1303	110.45	4.0	6.33	20.1	24,300	1.3	-42.8	4.9		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-15-21	1305	ACW-09	110.45	6.33	20.1	24,300	1.3	-42.8	4.9	Per COC	Per Lab	Lab: Eurofins TA, Houston, TX

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
3-19-20	8:18	4.01/7.00	1,000	100%	10.0	235.7		OSD
3/19/20	820	4.01/7.00	1,000	100%	10.0	243.8		KB
6.24.20	755	4.01/7.00	1,000	100%	10.0	232.7		CJH
6/24/20	757	4.01/7.00	1,000	100%	10.0	254.0		BTB
9.24.20	745	4.01/7.00	1,000	100%	10.0	250.3		RJM
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.1		CJH
9.24.20	748	4.01/7.00	1,000	100%	10.0	232.9		BB
12-9-20	740	4.01/7.00	1,000	100%	10.0	242.2		BRH
12/9/20	748	4.01/7.00	1,000	100%	10.0	251.8		BR
12.9.20	750	4.01/7.00	1,000	100%	10.0	240.3		CJH
12.9.20	753	4.01/7.00	1,000	100%	10.0	255.8		GMB
12-9-20	755	4.01/7.00	1,100	100%	10.0	227.6		OSD
3/23/21	810	4.01/7.00	1,000	100%	10.0	239.8		SCD
3-23-21	813	4.01/7.00	1,000	100%	10.0	246.9		BA
3-23-21	815	4.01/7.00	1,000	100%	10.0	239.1		MDB
6-16-21	640	4.01/7.00	1,000	100%	10.0	222.4		BA
6/16/21	643	4.01/7.00	1,000	100%	10.0	260.7		BA
9/15/21	1000	4.01/7.00	1,000	100%	10.0	271.3		BB
9-15-21	1003	4.01/7.00	1,000	100%	10.0	220.4		BA

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Duncan + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s): 8729 9719 1576	COC No: 400-103259-30074.1
Client Contact: Mr. Sunrise Wally Gilmore	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 1
Company: ~~Huntsinger Mesaberry~~ AECOM	PWSID:	Analysis Requested		Job #:
Address: ~~1934 W Dam~~ N 19219 Katy Frwy, Ste 400	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S2O3, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Houston	TAT Requested (days):			
State, Zip: TX, ~~TX~~ 77094	Compliance Project: ☐ Yes ☐ No			
Phone: ~~713-542-9523~~ Fax: 713-542-9523	PO #: WD801914			
Email: wallace.yilmore@aecom.com ~~wallace.yilmore@aecom.com~~	WO #:			
Project Name: Jal 24 Gas Plant 3Q21	Project #: 40012887			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D - Chloride	6010B - Sodium	8260B - BTEX	2540C - Total Methods (TDS)	120.1 - Specific Conductance	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	X	N	N	A	N	N	X	
ACW-13	9/15/21	1140	G	Water			✓	✓	✓	✓	✓		
ACW-14		1055		Water			✓	✓	✓	✓	✓		
ACW-15		1225		Water			✓	✓	✓	✓	✓		
Doom well		1245		Water			✓	✓	✓	✓	✓		
Fmr OXY well		1210		Water			✓	✓	✓	✓	✓		
Dup-01		1100		Water			✓	✓	✓	✓	✓		
Trip Blank	↓	—	↓	Water					✓				
ACW-09	↓	1305	↓	water			✓						

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx
Relinquished by: Rudy Mueller	Date/Time: 9/15/21 1400	Company: HMI	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Received by	Date/Time	Company
		TA

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-08-23-21-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#: WD801914

Lab Cost Cluster: CC06_Monitoring Lab Subtask: Lab - I (1.4, 2.3, 7.3, 8.4)(19)

Project Billing : [x] 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

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: 9/22/2021 Anticipated Completion Date: 9/22/2021

Frequency of Sampling: Sampling Plan Attached: 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 [x] Copy on ARF Distribution

Address: 1001 Louisiana Street, Room 1445B
Houston, TX 770022

KM Project Manager: Joe Wiley

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

Designated Consultant Contact

Designated Consultant Firm Name: AECOM [x] Copy on ARF Distribution

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 [x] Copy on ARF Distribution

Address: 3355 McLemore Drive
Pensacola, FL 32514

Laboratory Project Manager: Marty Edwards

Phone : 850-384-4227 (cell) Fax: E-mail: Marty.Edwards@Eurofinset.com

Additional Parties to Receive ARF:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

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@aecom.com

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:	Name:	Wally Gilmore	Date:	8/23/2021
Laboratory Acceptance:	Name:	Marty Edwards	Date:	8/23/2021
Revision 1:	Name:	Joe Wiley	Date:	8/23/2021
	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 Investigatory Samples	Number of Samples for Hold/Archival	*Quality Control Samples* MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates	Total Number of Samples Expected	Total Number of Samples Analyzed	***For Laboratory Use Only*** Number of Samples Received by Laboratory	Unit Rate	Total Cost
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	**7**				
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	**6**				
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	**6**				
Sodium	EPA SW846 6010B	W	L2/28D	5	0	0	0	0	1	**6**				
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	**6**				

$ -

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 Courrier

Saturday Receipt

Jal #4_2021 3rd Qtr ERG ARF

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to:		***LAB USE ONLY***
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 delivered to HMI by September 1, 2021 and provide return shipping labels with the cooler(s).

Phone Logs and Project Correspondence

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

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

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

Groundwater Sampling Methodology

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

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

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

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

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

Decontamination Procedures

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

HMI Deliverables

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

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

December 8, 2021

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

Subject: 4Q21 Groundwater Monitoring, December 1, 2021
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

1. HMI has equipped the sampled-well network with HMI-owned dedicated bladder pumps since 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. 4Q21 sitewide gauging and groundwater sampling was conducted December 1, 2021.

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)
   Trip Blank (BTEX)

6. Per EP, beginning 4Q20, groundwater samples submitted to:
   Eurofins Test America-Pensacola, FL (tbd, PM)
   3355 McLemore Drive
   Pensacola, FL 32514
   FedEx account # - 2301-5223-3

   Dissolved Gas (propane, methane, ethane, N-butane) in 4Q21 event, per EP ARF

   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. Five gallons purgewater from the 3Q21 event was fully-evaporated; 35 gallons were added in 4Q21.

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 regarding Fmr Oxy Well sampling. Note – Oxy sold its former Jal property to JR Oil and Gas, 3Q21.

   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).

   Site Contact: TBD, since 3Q21 (fmr contact-Ken Parker retired, 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).

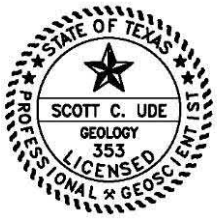
   EP chose Eurofins-Pensacola, FL lab, 4Q20 (project manager, tbd).

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



Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on December 8, 2021.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Scott Duncan, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
December 1, 2021

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	105.22	0.00	0.00	3,196.93	30.23	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	105.44	0.00	0.00	3,196.72	20.05	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	105.04	0.00	0.00	3,196.58	30.08	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	103.05	0.00	0.00	3,194.13	14.32	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	107.47	0.00	0.00	3,195.37	15.16	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	102.21	0.00	0.00	3,195.42	15.18	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	103.21	0.00	0.00	3,196.33	56.70	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	110.12	0.00	0.00	3,194.57	52.36	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	107.66	0.00	0.00	3,192.16	55.38	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	105.65	0.00	0.00	3,195.99	56.03	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	99.30	0.00	0.00	3,192.42	76.32	175.62	2.0	153-173	172.6	4" PVC	6.73	21.8	6,830	2.0	216.2	5.3	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	7.19	19.1	1,777	2.1	2.4	5.9	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.10	0.00	0.00	3,190.65	69.47	171.57	2.3	150-170	168.6	4" PVC	6.56	21.0	869	1.9	137.1	5.5	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.31	0.00	0.00	3,198.58	67.63	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	108.36	0.00	0.00	3,197.81	63.42	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	106.12	0.00	0.00	3,196.56	15.04	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	108.44	0.00	0.00	3,195.06	65.59	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	105.76	0.00	0.00	3,196.06	14.76	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	111.81	0.00	0.00	3,194.43	13.23	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	111.91	0.00	0.00	3,194.38	57.80	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	110.74	0.00	0.00	3,194.82	78.38	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	103.20	0.00	0.00	3,194.39	71.48	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	110.34	0.00	0.00	3,198.93	20.26	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	110.33	0.00	0.00	3,198.89	66.87	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	108.94	0.00	0.00	3,197.55	19.36	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	108.79	0.00	0.00	3,197.56	68.00	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	104.46	0.00	0.00	3,195.71	18.04	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	104.76	0.00	0.00	3,195.39	82.67	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	4	29	30		Yes	3,299.60	NP	107.00	0.00	0.00	3,192.60	15.33	122.33	2.5	95-120	117.3	3" PVC	6.80	19.6	4,910	3.0	161.1	4.0	Clear	Dup-01
ACW-32D	5	30	31		Yes	3,299.61	NP	106.97	0.00	0.00	3,192.64	65.67	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	7.20	20.2	755	4.5	-41.5	1.5	Clear	
ENSR-01		31	33		Yes	3,306.71	NP	107.64	0.00	0.00	3,199.07	47.71	155.35	1.6	123-148	150.4	4" PVC	7.16	20.8	13,970	1.3	-151.9	0.4	Clear	
ENSR-03		32		3	No	3,305.05	NP	107.02	0.00	0.00	3,198.03	48.08	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		33	34		Yes	3,310.03	NP	109.18	0.00	0.00	3,200.85	54.75	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	7.20	22.7	1,408	5.0	-93.6	8.1	Clear	
PTP-01		34	36		Yes	3,305.67	NP	107.59	0.00	0.00	3,198.08	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		35		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		36		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		37		6	No	3,302.65	NP	106.15	0.00	0.00	3,196.50	71.54	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		38		7	No	3,303.26	NP	108.45	0.00	0.00	3,194.81	67.71	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted December 1, 2021
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 in 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

Monitoring Well Purging and Sampling Record

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

Well: ACW-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
12-1-21	1030	NP	105.22	0.00	0.00	135.45	130.5	110-130				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
12-1-21	1035	105.27	0.5	7.65	20.6	13880	1.0	-179.1	1.4	Low-flow purge-sample with	Clear/odor
	1037	105.27	1.0	7.82	20.5	13990	0.8	-201.6	1.2	HMI's dedicated bladder pump	
	1040	105.27	1.5	8.08	20.6	14140	0.7	-220.2	1.1		
	1043	105.27	2.0	8.20	20.6	14160	0.7	-225.5	0.9		
	1045	105.27	2.5	8.28	20.6	14170	0.6	-228.4	0.9		
	1047	105.27	3.0	8.30	20.5	14150	0.6	-229.7	0.8		
	1050	105.27	3.5	8.32	20.4	14160	0.5	-230.1	0.7		
	1053	105.27	4.0	8.33	20.3	14160	0.4	-231.8	0.5		
	1055	105.27	4.5	8.34	20.3	14170	0.4	-232.9	0.4		
	1057	105.27	5.0	8.34	20.3	14170	0.4	-233.2	0.4		

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1100	ACW-01	105.27	8.34	20.3	14170	0.4	-232.2	0.4	Per COC	Per Lab	

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

(* BTB to fix pump backflow, 10/22); pump replacement as needed

Initials: TAB
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
12-1-21	1215	NP	105.44	0.00	0.00	125.49	120.5	98-118				Weather: pt/cloudy/ 60°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1220	105.64	0.5	9.20	21.1	12,800	1.6	-224.3	4.4	Low-flow purge-sample with	Clear
	1223	105.69	1.0	9.79	20.9	11,310	1.3	-224.7	4.2	HMI's dedicated bladder pump	
	1225	105.74	1.5	9.86	20.8	11230	1.2	-262.8	3.9		
	1227	105.78	2.0	10.07	20.6	10320	1.0	-262.2	3.6		
	1230	105.80	2.5	10.05	20.6	10310	0.8	-260.8	3.0		
	1233	105.82	3.0	10.04	20.7	10300	0.7	-259.7	2.9		
	1235	105.84	3.5	10.03	20.7	10,290	0.6	-257.4	2.6		
	1237	105.86	4.0	10.03	20.7	10,290	0.5	-256.1	2.6		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1240	ACW-02A	105.86	10.03	20.7	10,290	0.5	-256.1	2.6	Per COC	Per Lab	

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: ACW-03

4" PVC recovery well

Hydrologic Monitoring
Houston, Texas

Initials: BD
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
12/1/21	1330	NP	105.04	0.00	0.00	135.12	NA	112-132				Weather: Sunny 70s

Well Purging Record

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

Well Sampling Record

No sampling; Gauge-only

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

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: 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
12-1-21	1300	NP	106.99	0.00	0.00	171.10	169.1	154-169				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
12-1-21	1305	107.19	0.5	8.56	22.5	9,000	2.2	-167.3	8.0	Low-flow purge-sample with	Clear
	1307	107.24	1.0	8.24	21.8	8,980	1.7	-198.4	8.2	HMI's dedicated bladder pump	
	1310	107.26	1.5	8.08	21.6	8990	1.5	-189.0	7.7		
	1313	107.28	2.0	7.92	21.4	8960	1.3	-162.2	7.5		
	1315	107.31	2.5	7.80	21.2	8950	1.2	-151.3	6.8		
	1317	107.32	3.0	7.78	21.1	8960	1.1	-150.4	6.0		
	1320	107.33	3.5	7.77	21.0	8960	1.1	-148.9	5.5		
↓	1323	107.33	4.0	7.77	20.9	8970	1.1	-148.0	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
12-1-21	1325	ACW-04	107.33	7.77	20.9	8970	1.1	-148.0	5.1	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-05

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
12-1-21	1235	NP	103.05	0.00	0.00	117.37	114.4	105-115				Weather: Sunny, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1240	103.34	0.5	6.59	19.1	10,100	2.9	-64.7	13.3	Low-flow purge-sample with	clear
	1243	103.49	1.0	6.57	18.9	9130	2.7	-69.9	10.8	HMI's dedicated bladder pump	
	1245	103.61	1.5	6.55	18.8	8890	2.2	-74.1	10.0		
	1248	103.67	2.0	6.50	18.7	8540	2.0	-77.6	9.4		
	1250	103.69	2.5	6.47	18.6	8410	1.9	-79.1	8.9		
	1253	103.72	3.0	6.46	18.6	8320	1.9	-81.1	8.3		
	1255	103.75	3.5	6.45	18.5	8350	1.8	-81.9	7.7		
↓	1258	103.77	4.0	6.44	18.5	8330	1.8	-82.6	7.2		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1300	ACW-05	103.77	6.44	18.5	8330	1.8	-82.6	7.2	Per COC	Per Lab	

Monitoring Well Purging and Sampling Record

+FB-02 (diss. gas only)

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

Well: ACW-06

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
12-1-21	855	NP	107.47	0.00	0.00	122.63	119.6	110-120				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
12-1-21	900	107.58	0.5	8.00	18.8	12,160	3.1	-86.8	8.4	Low-flow purge-sample with	clear
↓	903	107.69	1.0	7.99	18.3	9,560	2.9	-119.1	7.3	HMI's dedicated bladder pump	↑
	905	107.76	1.5	8.05	18.2	7,430	2.2	-128.7	6.7		|
	908	107.81	2.0	8.13	18.1	7,110	2.1	-140.0	6.1		|
	910	107.85	2.5	8.16	17.9	6,610	2.0	-147.4	5.8		|
	913	107.89	3.0	8.20	17.9	6,160	1.9	-151.9	5.3		|
	915	107.92	3.5	8.22	17.8	6,130	1.9	-154.2	4.9		|
↓	918	107.94	4.0	8.24	17.8	6,110	1.9	-156.7	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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	920	ACW-06	107.94	8.24	17.8	6,110	1.9	-156.7	4.6	Per COC	Per Lab	
↓												
↓	930	FB-02	NA	—	—	—	—	—	→	11	11	

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: 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
12-1-21	1315	NP	102.21	0.00	0.00	117.39	114.4	105-115				Weather: Sunny, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1320	102.29	0.5	7.50	20.3	8900	3.2	-82.6	9.4	Low-flow purge-sample with	clear
"	1323	102.31	1.0	7.46	19.4	8890	2.9	-89.3	7.2	HMI's dedicated bladder pump	"
"	1325	102.33	1.5	7.36	18.9	8850	2.5	-98.7	6.7	"	"
"	1328	102.34	2.0	7.33	18.8	8830	2.3	-101.4	6.0	"	"
"	1330	102.35	2.5	7.30	18.7	8810	2.2	-107.6	5.5	"	"
"	1333	102.35	3.0	7.28	18.7	8810	2.1	-110.9	4.9	"	"
"	1335	102.35	3.5	7.27	18.6	8800	2.0	-113.2	4.5	"	"
↓	1338	102.35	4.0	7.26	18.6	8800	1.9	-116.4	3.8	"	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1340	ACW-07	102.35	7.26	18.6	8800	1.9	-116.4	3.8	Per COC	Per Lab	

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: ACW-08

Hydrologic Monitoring
Houston, Texas

4" PVC recovery well

Well Inspection Information

Initials: 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
12-1-21	1110	NP	103.21	0.00	0.00	159.91	NA	140-160				Weather: Sunny 60's

Well Purging Record

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

Well Sampling Record

No sampling; Gauge-only

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

+ FB-01 (diss. gas only)

Monitoring Well Purging and Sampling Record

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

Well: ACW-09

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/21	1200	NP	110.12	0.00	0.00	162.48	159.5	140-160				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	1205	110.41	0.5	6.19	21.2	26,010	2.0	+02.4	7.1	Low-flow purge-sample with	Clear
	1208	110.43	1.0	6.21	21.1	26,090	1.8	-10.3	6.3	HMI's dedicated bladder pump	"
	1210	110.44	1.5	6.24	21.0	26,130	1.6	-15.9	5.5		"
	1213	110.44	2.0	6.26	21.0	26,150	1.5	-16.8	5.2		"
	1215	110.44	2.5	6.28	20.9	26,170	1.5	-17.4	4.9		"
	1218	110.44	3.0	6.29	20.9	26,180	1.4	-18.1	4.7		"
	1220	110.44	3.5	6.30	20.9	27,000	1.3	-18.5	4.6		"
	1223	110.44	4.0	6.30	20.9	27,010	1.3	-18.7	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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12/1/21	1225	ACW-09	110.44	6.30	20.9	27,010	1.3	-18.7	4.4	Per COC	Per Lab	
	1235	FB-01	NA	→	→	→	→	→	→	"	"	

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: WDJ
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
12/1/21	1210	NP	107.66	0.00	0.00	163.04	160.0	140-160				Weather: Partly Cloudy, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	1215	107.91	0.5	7.11	22.6	10,940	3.4	125.0	4.6	Low-flow purge-sample with	CLEAR
	1217	107.95	1.0	6.90	22.2	11,470	2.7	124.4	3.4	HMI's dedicated bladder pump	
	1220	107.96	1.5	6.77	22.1	12,150	2.1	123.5	2.9		
	1223	107.97	2.0	6.72	22.0	12,860	1.5	123.3	3.2		
	1225	107.97	2.5	6.71	21.7	13,230	1.4	122.4	2.9		
	1227	107.98	3.0	6.70	21.6	13,350	1.4	122.4	2.3		
	1230	107.98	3.5	6.68	21.6	13,470	1.4	121.6	1.9		
	1233	107.98	4.0	6.69	21.6	13,500	1.5	122.0	1.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12/1/21	1235	ACW-10	107.98	6.69	21.6	13,500	1.5	122.0	1.9	Per COC	Per Lab	

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: OJD
Well Condition: G-20)

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
12-1-21	840	NP	105.65	0.00	0.00	161.68	159.7	140-161				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	845	105.91	0.5	6.40	21.4	38,800	3.7	-58.1	8.1	Low-flow purge-sample with	Clear
↓	848	105.98	1.0	6.38	21.8	40,100	3.5	-52.7	7.6	HMI's dedicated bladder pump	↓
	850	106.03	1.5	6.35	22.1	41,200	3.2	-50.9	7.2		
	853	106.11	2.0	6.32	22.5	41,500	3.0	-45.6	6.9		
	855	106.17	2.5	6.32	22.7	41,800	2.8	-43.3	6.5		
	858	106.21	3.0	6.31	22.8	42,000	2.7	-40.7	6.3		
	900	106.27	3.5	6.31	22.9	42,100	2.7	-36.2	6.4		
↓	903	106.30	4.0	6.30	22.9	42,100	2.6	-33.8	6.2		↓

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	905	ACW-11	106.30	6.30	22.9	42,100	2.6	-33.8	6.2	Per COC	Per Lab	

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: GDS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/21	1115	NP	109.28	0.00	0.00	171.93	168.9	150-170				Weather: Partly Cloudy, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	1120	109.50	0.5	6.67	23.1	7190	2.6	71.0	6.4	Low-flow purge-sample with	CLEAR
	1123	109.53	1.0	6.58	22.9	9030	1.7	48.9	4.9	HMI's dedicated bladder pump	
	1125	109.58	1.5	6.53	22.1	9340	1.5	-7.2	4.3		
	1127	109.62	2.0	6.52	21.8	9470	1.5	-18.5	4.0		
	1130	109.65	2.5	6.53	21.7	9490	1.6	-24.1	3.7		
	1133	109.67	3.0	6.54	21.7	9490	1.6	-29.3	3.7		
	1135	109.69	3.5	6.54	21.6	9510	1.5	-33.6	3.5		
	1137	109.70	4.0	6.54	21.6	9540	1.5	-36.9	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
12/1/21	1140	ACW-12	109.70	6.54	21.6	9540	1.5	-36.9	3.2	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola

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

Initials: GDS
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
12/1/21	1020	NP	99.30	0.00	0.00	175.62	172.6	153-173				Weather: Partly Cloudy, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	1025	99.36	0.5	7.19	23.4	6210	4.2	202.6	4.6	Low-flow purge-sample with	Clear
	1027	99.55	1.0	7.09	23.0	6350	3.6	208.3	4.2	HMI's dedicated bladder pump	↓
	1030	99.62	1.5	6.77	22.3	6570	2.7	220.6	5.2		
	1033	99.65	2.0	6.65	22.0	6700	2.3	229.2	5.8		
	1035	99.68	2.5	6.68	22.0	6740	2.1	224.0	5.5		
	1037	99.69	3.0	6.70	21.9	6800	2.1	222.8	5.2		
	1040	99.70	3.5	6.72	21.8	6820	2.0	218.9	5.7		
↓	1043	99.71	4.0	6.73	21.8	6830	2.0	216.2	5.3		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
												Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12/1/21	1045	ACW-13	99.71	6.73	21.8	6830	2.0	216.2	5.3	Per COC	Per Lab	

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
12-1-21	1120	NP	100.24	0.00	0.00	176.22	173.2	157-177				Weather: Sunny, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1125	100.45	0.5	7.61	20.1	2500	3.3	-72.3	10.0	Low-flow purge-sample with	clear
"	1128	100.48	1.0	7.49	19.4	2000	2.9	-40.2	9.6	HMI's dedicated bladder pump	"
"	1130	100.54	1.5	7.40	19.3	1890	2.6	-25.7	9.0	"	"
"	1133	100.59	2.0	7.35	19.2	1860	2.3	-17.4	8.5	"	"
"	1135	100.59	2.5	7.29	19.2	1849	2.2	-12.1	7.7	"	"
"	1138	100.59	3.0	7.26	19.2	1800	2.2	-9.0	7.0	"	"
"	1140	100.59	3.5	7.23	19.1	1796	2.1	-5.6	6.5	"	"
"	1143	100.59	4.0	7.19	19.1	1777	2.1	+2.4	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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1145	ACW-14	100.59	7.19	19.1	1777	2.1	+2.4	5.9	Per COC	Per Lab	

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: RJM
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
12.1.21	1145	NP	102.10	0.00	0.00	171.57	168.6	150-170				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12.1.21	1150	102.26	0.5	6.72	20.4	922	3.2	159.8	11.5	Low-flow purge-sample with	Clear
	1152	102.28	1.0	6.69	20.7	905	2.6	150.2	9.7	HMI's dedicated bladder pump	
	1155	102.28	1.5	6.67	20.7	901	2.3	147.5	8.2		
	1157	102.29	2.0	6.62	20.8	879	2.1	144.3	7.6		
	1200	102.29	2.5	6.60	20.9	874	2.1	142.8	7.1		
	1202	102.29	3.0	6.59	20.9	876	2.0	139.6	6.9		
	1205	102.29	3.5	6.58	21.0	872	2.0	138.7	6.2		
	1207	102.29	4.0	6.56	21.0	869	1.9	137.1	5.5		

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12.1.21	1210	ACW-15	102.29	6.56	21.0	869	1.9	137.1	5.5	Per COC	Per Lab	

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: 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
12/1/21	830	NP	109.31	0.00	0.00	176.94	174.9	156-176				Weather: PT/Cloudy 50s

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
12/1/21	835	109.41	0.5	7.31	19.5	14,790	1.7	-116.8	1.4	Low-flow purge-sample with	Clear
	837	109.51	1.0	7.31	19.7	14,890	1.5	-121.4	1.2	HMI's dedicated bladder pump	
	840	109.59	1.5	7.30	19.8	15020	1.3	-135.5	1.1		
	843	109.63	2.0	7.29	19.9	15040	1.2	-143.4	1.0		
	845	109.65	2.5	7.29	20.0	15050	1.1	-149.3	0.8		
	847	109.67	3.0	7.28	20.0	15060	1.0	-150.8	0.6		
	850	109.67	3.5	7.27	20.1	15060	1.0	-151.7	0.4		
	853	109.67	4.0	7.27	20.1	15070	1.0	-152.3	0.4		

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12/1/21	855	ACW-16	109.67	7.27	20.1	15070	1.0	-152.3	0.6	Per COC	Per Lab	

Monitoring Well Purging and Sampling Record

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

Well: ACW-17

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
12-1-21	1120	NP	108.36	0.00	0.00	171.78	169.8	151-171				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1125	108.42	0.5	7.10	22.1	14,600	2.5	-84.8	11.5	Low-flow purge-sample with	Clear
"	1128	108.45	1.0	7.03	22.3	14,800	2.3	-88.3	9.2	HMI's dedicated bladder pump	"
"	1130	108.48	1.5	6.98	22.5	14,900	2.2	-90.7	8.5	"	"
"	1133	108.48	2.0	6.95	22.7	15,000	2.1	-93.6	7.1	"	"
"	1135	108.49	2.5	6.93	22.9	15,000	2.1	-97.3	6.3	"	"
"	1138	108.49	3.0	6.92	23.1	15,100	2.0	-101.2	5.8	"	"
"	1140	108.49	3.5	6.90	23.1	15,200	2.0	-103.8	5.5	"	"
"	1143	108.49	4.0	6.89	23.2	15,200	1.9	-107.5	5.2	"	"

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1145	ACW-17	108.49	6.89	23.2	15,200	1.9	-107.5	5.2	Per COC	Per Lab	

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: 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
12-1-21	1125	NP	107.29	0.00	0.00	177.20	175.2	160-180				Weather: PT/Cloudy 60°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1130	107.50	0.5	6.87	21.0	57,100	1.2	-85.2	1.9	Low-flow purge-sample with	clear
	1133	107.54	1.0	6.87	20.9	57,000	1.1	-79.7	1.7	HMI's dedicated bladder pump	
	1135	107.58	1.5	6.88	20.9	56,900	1.0	-73.3	1.4		
	1137	107.62	2.0	6.89	20.8	56,800	0.8	-69.2	1.2		
	1140	107.64	2.5	6.90	20.8	57,000	0.6	-62.2	1.0		
	1143	107.65	3.0	6.90	20.8	57,000	0.5	-59.9	0.7		
	1145	107.66	3.5	6.89	20.8	56,900	0.4	-58.7	0.5		
	1147	107.67	4.0	6.88	20.8	56,900	0.4	-57.0	0.4		

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1150	ACW-18	107.67	6.88	20.8	56,900	0.4	-57.0	0.4	Per COC	Per Lab	

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: DSD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-21	1020	NP	106.12	0.00	0.00	121.16	119.2	98-118				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1025	106.35	0.5	7.30	22.4	6,100	2.6	-86.8	8.8	Low-flow purge-sample with	Clear
|	1028	106.39	1.0	7.25	22.3	6,500	2.3	-93.5	8.1	HMI's dedicated bladder pump	|
|	1030	106.40	1.5	7.22	22.1	6,700	2.1	-98.2	7.5	|	|
|	1033	106.40	2.0	7.20	22.0	6,900	2.0	-102.3	7.2	|	|
|	1035	106.41	2.5	7.19	22.0	7,000	1.9	-105.2	6.6	|	|
|	1038	106.41	3.0	7.18	21.9	7,100	1.9	-109.5	6.1	|	|
|	1040	106.41	3.5	7.15	21.8	7,200	1.8	-112.7	5.8	|	|
V	1043	106.41	4.0	7.14	21.8	7,200	1.8	-115.4	5.5	|	V

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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12-1-21	1045	ACW-19	106.41	7.14	21.8	7,200	1.8	-115.4	5.5	Per COC	Per Lab	

+ Dup-03
(all parameters)

Monitoring Well Purging and Sampling Record

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

Well: ACW-20

*8" of erosion under Pad. Gravel filling Suggested

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: DJD
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
12-1-21	920	NP	108.44	0.00	0.00	174.03	172.0	154-174				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	925	108.62	0.5	6.58	22.3	120,600	3.8	-90.7	8.6	Low-flow purge-sample with	Clear
	928	108.67	1.0	6.50	22.1	125,300	3.5	-97.3	8.1	HMI's dedicated bladder pump	
	930	108.68	1.5	6.46	22.0	127,100	3.3	-108.4	7.8		
	933	108.68	2.0	6.43	21.9	128,300	3.2	-113.7	7.5		
	935	108.68	2.5	6.40	21.8	128,900	3.2	-118.2	6.8		
	938	108.68	3.0	6.38	21.8	129,100	3.1	-121.5	6.4		
	940	108.68	3.5	6.35	21.7	129,200	3.1	-127.6	6.2		
	943	108.68	4.0	6.38	21.7	129,200	3.1	-130.2	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
12-1-21	945	ACW-20	108.68	6.38	21.7	129,200	3.1	-130.2	5.9	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola
	1005	Dup-03	108.68	6.38	21.7	129,200	3.1	-130.2	5.9			
										"	"	

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: 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
12/1/21	800	NP	105.76	0.00	0.00	120.52	118.5	98-118				Weather: Clear 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	805	105.89	0.5	6.89	20.6	1800	3.5	-88.1	8.1	Low-flow purge-sample with	Clear
	808	106.01	1.0	6.85	20.7	1817	3.1	-92.1	7.1	HMI's dedicated bladder pump	
	810	106.10	1.5	6.81	20.9	1850	2.9	-95.8	6.6		
	813	106.14	2.0	6.79	21.1	1863	2.7	-99.7	6.2		
	815	106.17	2.5	6.79	21.2	1872	2.5	-102.1	5.8		
	818	106.23	3.0	6.78	21.2	1880	2.4	-107.8	5.2		
	820	106.27	3.5	6.78	21.3	1887	2.3	-110.1	4.7		
	823	106.30	4.0	6.78	21.3	1895	2.3	-113.6	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
12/1/21	825	ACW-21	106.30	6.78	21.3	1895	2.3	-113.6	4.2	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola

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: BM
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
12/1/24	1120	NP	111.81	0.00	0.00	125.04	123.0	102-122				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/24	1125	111.94	0.5	7.11	21.3	2018	5.4	51.8	8.6	Low-flow purge-sample with	Clear
	1128	111.96	1.0	7.03	21.0	2166	3.3	21.3	7.1	HMI's dedicated bladder pump	"
	1130	111.97	1.5	6.97	20.8	2208	2.5	03.8	6.4		"
	1133	111.97	2.0	6.95	20.7	2245	2.1	-08.4	5.7		"
	1135	111.97	2.5	6.93	20.7	2249	1.8	-11.4	5.3		"
	1138	111.97	3.0	6.92	20.7	2255	1.6	-12.9	5.0		"
	1140	111.97	3.5	6.91	20.7	2259	1.5	-13.3	5.0		"
	1143	111.97	4.0	6.91	20.7	2263	1.5	-13.9	4.9		"

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/24	1145	ACW-22	111.97	6.91	20.7	2263	1.5	-13.9	4.9	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-23

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
12/1/24	1030	NP	111.91	0.00	0.00	169.71	167.7	147-167				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/24	1035	111.95	0.5	6.96	23.1	2922	4.1	-13.8	5.3	Low-flow purge-sample with	Clear
	1038	111.95	1.0	6.90	22.6	3050	3.6	-22.6	4.7	HMI's dedicated bladder pump	"
	1040	111.95	1.5	6.86	22.2	3090	3.1	-28.4	4.4		"
	1043	111.95	2.0	6.83	22.1	3110	2.8	-30.6	3.9		"
	1045	111.95	2.5	6.81	22.0	3140	2.6	-31.8	3.6		"
	1048	111.95	3.0	6.80	22.0	3160	2.5	-32.4	3.4		"
	1050	111.95	3.5	6.79	21.9	3180	2.4	-33.0	3.2		"
	1053	111.95	4.0	6.77	21.9	3190	2.4	-33.3	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
12/1/24	1055	ACW-23	111.95	6.77	21.9	3190	2.4	-33.3	3.1	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: 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
12-1-21	815	NP	110.74	0.00	0.00	189.12	187.1	166-186				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
12-1-21	820	110.87	0.5	6.15	17.5	100,400	3.0	61.8	7.8	Low-flow purge-sample with	clear
	823	110.87	1.0	5.91	17.5	100,490	2.6	57.7	6.3	HMI's dedicated bladder pump	
	825	110.87	1.5	5.89	17.5	100,510	2.4	60.1	5.7		
	828	110.87	2.0	5.85	17.6	100,560	2.2	62.9	5.2		
	830	110.87	2.5	5.83	17.6	100,580	2.1	65.1	4.9		
	833	110.87	3.0	5.81	17.7	100,600	2.0	68.2	4.6		
	835	110.87	3.5	5.79	17.7	100,630	2.0	71.4	4.4		
	838	110.87	4.0	5.78	17.7	100,660	1.9	73.5	4.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-21	840	ACW-24	110.87	5.78	17.7	100,660	1.9	73.5	4.0	Per COC	Per Lab	Pensacola Lab: Eurofins TA, ~~Houston, TX~~
						(100,660)						

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: 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
12-1-21	1200	NP	103.20	0.00	0.00	174.68	172.7	151-171				Weather: Sunny, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-1-21	1205	103.37	0.5	6.80	19.9	37,500	2.9	-13.2	7.6	Low-flow purge-sample with	Clear
↓	1208	103.38	1.0	6.76	19.0	38,200	2.2	-4.7	7.0	HMI's dedicated bladder pump	↓
↓	1210	103.41	1.5	6.74	18.7	38,800	2.0	1.2	6.3	↓	↓
↓	1213	103.43	2.0	6.73	18.6	39,100	1.8	7.1	5.9	↓	↓
↓	1215	103.44	2.5	6.73	18.5	39,400	1.7	10.2	5.3	↓	↓
↓	1218	103.44	3.0	6.72	18.5	39,600	1.6	13.4	4.8	↓	↓
↓	1220	103.45	3.5	6.72	18.5	39,700	1.5	16.3	4.3	↓	↓
↓	1223	103.45	4.0	6.71	18.5	39,800	1.5	18.1	3.8	↓	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-21	1225	ACW-25	103.45	6.71	18.5	39,800	1.5	18.1	3.8	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-26

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: RJM
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
12.1.21	910	NP	110.34	0.00	0.00	130.60	125.6	103-128				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12.1.21	915	110.34	0.5	7.31	19.6	1276	4.2	30.2	12.4	Low-flow purge-sample with	Clear
	917	110.34	1.0	7.26	19.5	1261	3.0	47.5	10.9	HMI's dedicated bladder pump	
	920	110.34	1.5	7.20	19.7	1249	2.7	61.9	9.7		
	922	110.34	2.0	7.17	19.9	1242	2.5	74.8	9.2		
	925	110.34	2.5	7.14	20.0	1238	2.5	77.2	9.2		
	927	110.34	3.0	7.12	20.0	1231	2.4	80.9	9.1		
	930	110.34	3.5	7.11	20.0	1229	2.4	82.5	8.4		
	932	110.34	4.0	7.10	20.1	1227	2.4	84.1	7.6		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12.1.21	935	ACW-26	110.34	7.10	20.1	1227	2.4	84.1	7.6	Per COC	Per Lab	Pensacola Lab: Eurofins TA, ~~Houston, TX~~

(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: RJM
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
12-1-21	825	NP	110.33	0.00	0.00	177.20	167.2	160-180				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
12-1-21	830	110.39	0.5	6.84	19.0	2550	3.6	39.4	7.2	Low-flow purge-sample with	Clear
	832	110.40	1.0	6.82	19.2	2470	3.2	25.8	6.4	HMI's dedicated bladder pump	
	835	110.40	1.5	6.79	19.3	2410	2.7	24.2	5.9		
	837	110.40	2.0	6.76	19.3	2360	2.4	20.6	5.1		
	840	110.40	2.5	6.72	19.4	2340	2.5	20.5	4.7		
	842	110.40	3.0	6.69	19.4	2320	2.4	19.8	4.8		
	845	110.40	3.5	6.68	19.4	2310	2.4	18.7	4.6		
	847	110.40	4.0	6.68	19.5	2290	2.3	18.2	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
12-1-21	850	ACW-27	110.40	6.68	19.5	2290	2.3	18.2	4.4	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola

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: RJM
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
12.1.21	1045	NP	108.94	0.00	0.00	128.30	123.3	102-127				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12.1.21	1050	109.07	0.5	6.92	20.6	504	3.2	47.1	7.4	Low-flow purge-sample with	Clear
"	1052	109.17	1.0	6.87	20.7	492	2.4	45.8	7.3	HMI's dedicated bladder pump	"
"	1055	109.18	1.5	6.84	20.8	486	2.2	41.2	6.7	"	"
"	1057	109.18	2.0	6.75	20.8	481	2.0	39.6	6.4	"	"
"	1100	109.19	2.5	6.72	20.9	475	2.0	38.4	6.2	"	"
"	1102	109.20	3.0	6.69	20.9	472	1.9	38.2	6.0	"	"
"	1105	109.20	3.5	6.67	20.9	470	1.8	37.5	5.9	"	"
↓	1107	109.21	4.0	6.65	21.0	467	1.8	36.8	5.4	"	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12.1.21	1110	ACW-28	109.21	6.65	21.0	467	1.8	36.8	5.4	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola

Monitoring Well Purging and Sampling Record

+ Dup-04 (all parameters)

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

Well: ACW-29

Hydrologic Monitoring
Houston, Texas

Initials: RJM
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
12.1.21	955	NP	108.79	0.00	0.00	176.79	166.8	160-180				Weather: Sunny 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12.1.21	1000	108.85	0.5	6.91	20.4	572	3.6	104.9	5.7	Low-flow purge-sample with	clear
	1002	108.92	1.0	6.90	20.6	585	2.5	102.6	4.6	HMI's dedicated bladder pump	
	1005	108.98	1.5	6.84	20.7	587	2.2	95.7	4.6		
	1007	109.00	2.0	6.79	20.8	591	2.1	90.3	4.5		
	1010	109.02	2.5	6.76	20.8	594	2.0	87.1	4.2		
	1012	109.03	3.0	6.74	20.9	596	2.0	86.5	4.1		
	1015	109.04	3.5	6.72	20.9	597	2.0	84.3	4.2		
	1017	109.04	4.0	6.71	20.9	599	1.9	82.9	3.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12.1.21	1020	ACW-29	109.04	6.71	20.9	599	1.9	82.9	3.9	Per COC	Per Lab	
	1100	Dup-04	109.04	6.71	20.9	599	1.9	82.9	3.9	"	"	

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: 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
12-1-21	945	NP	104.46	0.00	0.00	122.50	117.5	95-120				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
12-1-21	950	104.46	0.5	8.04	18.7	1210	4.5	-24.0	19.1	Low-flow purge-sample with	Clear
|	953	104.46	1.0	7.94	18.5	1124	3.3	-13.5	17.4	HMI's dedicated bladder pump	|
|	955	104.46	1.5	7.89	18.3	1060	3.2	-10.2	12.6		|
|	958	104.46	2.0	7.85	18.3	1020	3.0	-8.4	10.1		|
|	1000	104.46	2.5	7.83	18.2	991	2.8	-6.7	9.5		|
|	1003	104.46	3.0	7.82	18.2	984	2.7	-5.3	8.4		|
|	1005	104.46	3.5	7.81	18.1	972	2.6	-4.9	6.9		|
▽	1008	104.46	4.0	7.81	18.1	967	2.5	-3.2	6.3		▽

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-21	1010	ACW-305	104.46	7.81	18.1	967	2.5	-3.2	6.3	Per COC	Per Lab	Pensacola Lab: Eurofins TA, ~~Houston, TX~~

Monitoring Well Purging and Sampling Record

+ Dup-02 (all parameters)

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

Well: ACW-30D

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
12-1-21	1035	NP	104.76	0.00	0.00	187.43	177.4	165-185				Weather: Sunny, 50s

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
12-1-21	1040	105.03	0.5	6.90	19.7	33,300	3.5	-48.0	10.4	Low-flow purge-sample with	clear
↓	1043	105.05	1.0	6.71	19.2	34,200	2.8	-50.7	9.3	HMI's dedicated bladder pump	↓
↓	1045	105.07	1.5	6.67	18.9	34,800	2.5	-55.2	8.7	↓	↓
↓	1048	105.08	2.0	6.65	18.8	35,000	2.4	-58.8	7.9	↓	↓
↓	1050	105.08	2.5	6.61	18.7	35,100	2.3	-60.1	7.3	↓	↓
↓	1053	105.09	3.0	6.59	18.7	35,100	2.2	-61.4	6.9	↓	↓
↓	1055	105.09	3.5	6.58	18.6	35,200	2.2	-62.7	6.5	↓	↓
↓	1058	105.10	4.0	6.57	18.6	35,200	2.1	-63.9	6.3	↓	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-1-21	1100	ACW-30D	105.10	6.57	18.6	35,200	2.1	-63.9	6.3	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston, TX~~ Pensacola
↓												
↓	900	Dup-02	105.10	6.57	18.6	35,200	2.1	-63.9	6.3	"	"	

+ Dup-01 (all parameters)

Monitoring Well Purging and Sampling Record

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

Well: ACW-32S

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GDS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/21	830	NP	107.00	0.00	0.00	122.33	117.3	95-120				Weather: Partly cloudy, 50s

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
12/1/21	835	107.10	0.5	6.24	18.6	4990	4.8	143.5	16.0	Low-flow purge-sample with	CLEAR
	837	107.13	1.0	6.36	19.0	5010	4.0	176.6	11.1	HMI's dedicated bladder pump	
	840	107.14	1.5	6.47	19.2	4990	3.4	176.0	8.0		
	843	107.14	2.0	6.63	19.4	4970	3.2	171.5	5.7		
	845	107.14	2.5	6.69	19.4	4940	3.1	167.6	4.7		
	847	107.14	3.0	6.74	19.6	4910	3.1	165.4	5.2		
	850	107.14	3.5	6.77	19.5	4900	3.0	163.2	4.3		
	853	107.14	4.0	6.80	19.6	4910	3.0	161.1	4.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/21	855	ACW-32S	107.14	6.80	19.6	4910	3.0	161.1	4.0	Per COC	Per Lab	Pensacola Lab: Eurofins TA, ~~Houston, TX~~
	800	Dup-01	107.14	6.80	19.6	4910	3.0	161.1	4.0	"	"	

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

Initials: GDS
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
12/1/21	920	NP	106.97	0.00	0.00	172.64	162.6	150-170				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
12/1/21	925	107.02	0.5	7.13	20.4	2120	2.8	167.4	6.6	Low-flow purge-sample with	CLEAR
	927	107.02	1.0	7.06	20.4	2390	2.1	174.7	5.0	HMI's dedicated bladder pump	
	930	107.02	1.5	7.01	20.4	2850	1.9	181.7	3.8		
	933	107.02	2.0	7.04	20.5	3120	1.7	184.5	3.2		
	935	107.02	2.5	7.07	80.5	3230	1.7	185.8	3.0		
	937	107.02	3.0	7.08	20.6	3180	1.7	186.2	2.7		
	940	107.02	3.5	7.09	20.6	3140	1.6	186.7	3.0		
	943	107.02	4.0	7.09	20.6	3090	1.6	187.4	2.6		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/1/21	945	ACW-32D	107.02	7.09	20.6	3090	1.6	187.4	2.6	Per COC	Per Lab	Pensaco/g 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: 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
12/1/21	920	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 50's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	925	NM	1.0	7.26	20.3	747	4.8	-39.2	1.9	Mr. Doom's water supply well;	Clear
	926		2.0	7.22	20.3	751	4.6	-40.8	1.6	sampled at spigot inside	"
	927		3.0	7.21	20.2	753	4.5	-41.2	1.6	Mr. Doom's shed; purged	"
↓	928	↓	4.0	7.20	20.2	755	4.5	-41.5	1.5	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 Pensacola Lab: Eurofins TA, ~~Houston, TX~~
12/1/21	930	Doom Well	NM	7.20	20.2	755	4.5	-41.5	1.5	Per COC	Per Lab	

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

Initials: TAB
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
12-1-21	930	NP	109.64	0.00	0.00	155.35	150.4	123-148				Weather: pt/cloudy 50s

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
12/1/21	935	107.68	0.5	7.30	21.0	14,500	2.2	-151.5	1.4	Low-flow purge-sample with	Clear
	937	107.69	1.0	7.25	20.9	14740	1.9	-150.7	1.2	HMI's dedicated bladder pump	
	940	107.69	1.5	7.21	20.9	14830	1.7	-150.0	1.1		
	943	107.69	2.0	7.19	20.8	14,600	1.6	-149.9	1.0		
	945	107.69	2.5	7.17	20.8	14040	1.4	-150.8	0.8		
	947	107.69	3.0	7.17	20.8	13,990	1.4	-151.4	0.6		
	950	107.69	3.5	7.17	20.8	13,980	1.3	-151.7	0.6		
	953	107.69	4.0	7.16	20.8	13,970	1.3	-151.9	0.4		

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
12/1/21	955	ENSR-01	107.69	7.16	20.8	13,970	1.3	-151.9	0.4	Per COC	Per Lab	Lab: Eurofins TA, ~~Houston TX~~ Pensacola

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: ENSR-03 Gauge-only

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
12-1-21	1250	NP	107.02	0.00	0.00	155.10	NA	123-148				Weather: Sunny 60s

Well Purging Record

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

Well Sampling Record

No Sample; Gauge-only

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

Monitoring Well Purging and Sampling Record

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

Well: EPNG-01

Contact Israel (Energy Transfer) 432-290-8677 and report "Plant, Jal #4 Booster Station" the day before, for timing

Hydrologic Monitoring
Houston, Texas

Initials: BB
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
12/1/21	820	NP	109.18	0.00	0.00	163.93	160.9	120-160				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
12/1/21	825	109.20	0.5	7.39	20.1	957	4.4	-153.8	6.4	Low-flow purge-sample with	Clear
	828	109.20	1.0	7.48	20.2	986	3.9	-159.7	5.1	HMI's dedicated bladder pump	"
	830	109.20	1.5	7.56	20.3	970	3.6	-163.4	4.3		"
	833	109.20	2.0	7.61	20.3	974	3.3	-169.8	3.1		"
	835	109.20	2.5	7.65	20.4	976	3.0	-172.3	2.6		"
	838	109.20	3.0	7.67	20.4	977	2.8	-173.4	2.4		"
	840	109.20	3.5	7.69	20.4	979	2.7	-174.6	2.3		"
	843	109.20	4.0	7.70	20.4	980	2.7	-175.1	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
12/1/21	845	EPNG-01	109.20	7.70	20.4	980	2.7	-175.1	2.3	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: fmr OXY Well

Hydrologic Monitoring
Houston, Texas

Initials: BB
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
12/1/21	955	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/1/21	1000	NM	1.0	7.18	22.5	1396	5.3	-89.6	10.7	OXY bldg. water supply well;	Clear
	1001		2.0	7.19	22.6	1402	5.1	-91.8	8.6	sampled at outdoor spigot (to	"
	1002		3.0	7.20	22.7	1405	5.0	-92.2	8.3	right of front door; pliers may be	"
	1003		4.0	7.20	22.7	1408	5.0	-93.6	8.1	needed); purge 4 gal prior to	"
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Lab: Eurofins TA, ~~Houston, TX~~ Pensacola
12/1/21	1005 fmr	OXY Well	NM	7.20	22.7	1408	5.0	-93.6	8.1	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: 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
12-1-21	1210	0.00	107.59	0.00	0.00	136.09	131.1	110-130				Weather: Sunny 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
12-1-21	1215	107.88	0.5	7.13	22.6	3110	2.9	-86.2	3.1	Low-flow purge-sample with	Clear
"	1218	107.88	1.0	7.09	22.8	2980	2.7	-80.1	2.8	HMI's dedicated bladder pump	
"	1220	107.88	1.5	7.03	22.5	2910	2.5	-75.7	2.7		
"	1223	107.88	2.0	7.01	22.3	2870	2.2	-70.2	2.3		
"	1225	107.88	2.5	6.98	22.1	2840	2.1	-67.5	2.5		
"	1228	107.88	3.0	6.97	21.9	2820	2.0	-60.7	2.4		
"	1230	107.88	3.5	6.96	21.8	2810	1.9	-55.6	1.9		
V	1233	107.88	4.0	6.96	21.7	2800	1.9	-52.8	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
12-1-21	1235	PTP-01	107.88	6.96	21.7	2800	1.9	-52.8 (-52.8)	1.6	Per COC	Per Lab	Pensacola Lab: Eurofins TA, ~~Houston, TX~~

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: RW-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: 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
12/1/21	1320	NP	105.47	0.00	0.00	181.63	NA	109-179				Weather: Sunny 70's

Well Purging Record

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

Well Sampling Record

No Sample - Gauge-only

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

(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: GDS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/1/21	1255	NP	109.21	0.00	0.00	173.65	NA	105-175				Weather: Partly cloudy, 70's

Well Purging Record

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

Well Sampling Record

No sample; Gauge-only

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

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: RW-03

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-1-21	1330	NP	106.15	0.00	0.00	177.69	NA	136.7 -				Weather: Sunny 70's
								176.7				

Well Purging Record

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

Well Sampling Record

No Sample; Gauge-only

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

(Gauge-only)

Monitoring Well Purging and Sampling Record

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

Well: RW-04

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: DJD
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
12-1-21	1105	NP	108.45	0.00	0.00	176.16	NA	154-174				Weather: Sunny 60's

Well Purging Record

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

Well Sampling Record

No Sample; Gauge-only

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

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
12/1/21	800	4.01/7.00	1,000	100%	10.0	239.6		RJB
12/1/21	803	4.01/7.00	1,000	100%	10.0	251.8		TAB
12-1-21	805	4.01/7.00	1,000	100%	10.0	233.9		BA
12.1.21	807	4.01/7.00	1,000	100%	10.0	221.2		RJM
12/1/21	811	4.01/7.00	1,000	100%	10.0	249.1		GDS
12/1/21	815	4.01/7.00	1,000	100%	10.0	226.6		OJD

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.1
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 3 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1, 9056_ORGFM_28D (Sprint: Bromide, Chloride)	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases) *	8260B - BTEX	2540C - Local Method (TDS)	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	D	A	A	N		
1	ACW-01	12/1/21	1100	G	Water			✓	✓	✓	✓	✓		* per ARF
2	ACW-02A		1240		Water			✓	✓	✓	✓	✓		diss. gas = propane, methane, ethane, N-butane
3	ACW-04		1325		Water			✓	✓	✓	✓	✓		
4	ACW-05		1300		Water			✓	✓	✓	✓	✓		
5	ACW-06		920		Water			✓	✓	✓	✓	✓		
6	ACW-07		1340		Water			✓	✓	✓	✓	✓		
7	ACW-09		1225		Water			✓	✓	✓	✓	✓		
8	ACW-10		1235		Water			✓	✓	✓	✓	✓		
9	ACW-11		905		Water			✓	✓	✓	✓	✓		
10	ACW-12		1140		Water			✓	✓	✓	✓	✓		
11	ACW-13		1045		Water			✓	✓	✓	✓	✓		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12/1/21 1430	HMI			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott ude + 4M1 Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.2
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 2 of 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases)	8260B - BTEX	2540C - Local Method	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	D	A	A	N		
12	ACW-14	12/1/21	1145	G	Water			✓	✓	✓	✓	✓		
13	ACW-15		1210		Water			✓	✓	✓	✓	✓		
14	ACW-16		855		Water			✓	✓	✓	✓	✓		
15	ACW-17		1145		Water			✓	✓	✓	✓	✓		
16	ACW-18		1150		Water			✓	✓	✓	✓	✓		
17	ACW-19		1045		Water			✓	✓	✓	✓	✓		
18	ACW-20		945		Water			✓	✓	✓	✓	✓		
19	ACW-21		825		Water			✓	✓	✓	✓	✓		
20	ACW-22		1145		Water			✓	✓	✓	✓	✓		
21	ACW-23		1055		Water			✓	✓	✓	✓	✓		
22	ACW-24		840		Water			✓	✓	✓	✓	✓		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12/1/21 1430	HM1			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.3
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 3 of 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

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

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gasses)	8260B - BTEX	2540C - Local Method	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	D	A	A	N		
23	ACW-25	12/1/21	1225	G	Water			✓	✓	✓	✓	✓		
24	ACW-26		935		Water			✓	✓	✓	✓	✓		
25	ACW-27		850		Water			✓	✓	✓	✓	✓		
26	ACW-28		1110		Water			✓	✓	✓	✓	✓		
27	ACW-29		1020		Water			✓	✓	✓	✓	✓		
28	ACW-30S		1010		Water			✓	✓	✓	✓	✓		
29	ACW-30D		1100		Water			✓	✓	✓	✓	✓		
30	ACW-32S		855		Water			✓	✓	✓	✓	✓		
31	ACW-32D		945		Water			✓	✓	✓	✓	✓		
32	Doom Well		930		Water			✓	✓	✓	✓	✓		
33	ENSR-01	↓	855	↓	Water			✓	✓	✓	✓	✓		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12/1/21 1430	HMI			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ube + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.4
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 4 of 4
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			Other:
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases)	8260B - BTEX	2540C - Local Method								Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	D	A	A	N									
34	EPNG-01	12/1/21	845	G	Water			✓	✓	✓	✓	✓									
35	Fmr OXY Well		1005		Water			✓	✓	✓	✓	✓									
36	PTP-01		1235		Water			✓	✓	✓	✓	✓									
	DUP-01		800		Water			✓	✓	✓	✓	✓									
	DUP-02		900		Water			✓	✓	✓	✓	✓									
	DUP-03		1005		Water			✓	✓	✓	✓	✓									
	DUP-04		1100		Water			✓	✓	✓	✓	✓									
	FB-01		1235		Water					✓											
	FB-02		930		Water					✓											
	Trip Blank-01		—		Water						✓										
	Trip Blank-02	↓	—	↓	Water						✓										

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	12/1/21 1430	HMI			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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-11-10-21-ARS-04
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#: WD801914

Lab Cost Cluster: CC06_Monitoring Lab Subtask: Lab - I (1.4, 2.3, 7.3, 8.4)(19)

Project Billing : [x] 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, Dissolved Gasses (propane, methane, ethane, N-butane)

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: 12/1/2021 Anticipated Completion Date: 12/1/2021

Frequency of Sampling: Quarterly Sampling Plan Attached: 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 [x] Copy on ARF Distribution

Address: 1001 Louisiana Street, Room 757A
Houston, TX 770022

KM Project Manager: Joe Wiley

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

Designated Consultant Contact

Designated Consultant Firm Name: AECOM [x] Copy on ARF Distribution

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 [x] Copy on ARF Distribution

Address: 3355 McLemore Drive
Pensacola, FL 32514

Laboratory Project Manager: Marty Edwards

Phone : 850-384-4227 (cell) Fax: 361-289-2471 E-mail: Marty.Edwards@Eurofinset.com

Additional Parties to Receive ARF:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

Name: E-mail:
Affliation:

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 **10** **MB** or Unlimited
Forward the Electronic Data Deliverables to:

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

Special Instructions for data package or electronic deliverable?:

Record of ARF Initiation and Revisions

Initiated ARF:	Name:	Wally Gilmore	Date:	11/9/2021
Laboratory Acceptance:	Name:	Marty Edwards	Date:	11/9/2021
Revision 1:	Name:	Joe Wiley	Date:	11/9/2021
	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 Investigatory Samples	Number of Samples for Hold/Archival	*Quality Control Samples* MS/MSD Pairs	Trip Blanks	Rinse, Equipment, and Field Blanks	Field Duplicates	Total Number of Samples Expected	Total Number of Samples Analyzed	***For Laboratory Use Only*** 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**				
Dissolved Gasses (propane, methane, ethane, N-butane)	RSK-175	W	L2/28D	36	0	0	6	2 (Field)	4	**46**				
														$ -

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	11/17/2021

Shipping Return:

FedEx UPS Laboratory Courrier

Saturday Receipt

ARF FORM: SHEET 2

Laboratory Invoices for non-contracted laboratories must be submitted to:

Company Name	Kinder Morgan
Name	Joe Wiley
Street Address	1001 Louisiana Street, Room 757A
City, State, Zip	Houston, TX 77002
Phone Number	713-420-3475

LAB USE ONLY

Internal Laboratory Work Order Number

Invoice Approval

Company Name	Kinder Morgan
Final Invoice	

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to HMI by Novembr 17, 2021.

Phone Logs and Project Correspondence

HMI
Groundwater

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

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

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

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

Groundwater Sampling Methodology

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

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

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

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

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

Decontamination Procedures

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

HMI Deliverables

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

Appendix C

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-201058-1
Client Project/Site: Jal #4 Gas Plant1Q21

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

Attn: Mr. Wallace Gilmore

Marty Edwards

Authorized for release by:
4/7/2021 11:18:17 AM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Laboratory Job ID: 400-201058-1

Table of Contents

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Job ID: 400-201058-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201058-1

Comments
No additional comments.

Receipt
The samples were received on 3/24/2021 9:08 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.1° 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 following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-201058-1), ACW-14 (400-201058-2), ACW-15 (400-201058-3), OXY WELL (400-201058-5) and DUP-01 (400-201058-6). 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: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: ACW-13 — Lab Sample ID: 400-201058-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1300		50	6.0	mg/L	50		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2600		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-201058-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	180		10	1.2	mg/L	10		9056	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: 400-201058-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		10	1.2	mg/L	10		9056	Total/NA
Sodium	110		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: DOOM WELL — Lab Sample ID: 400-201058-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32		1.0	0.12	mg/L	1		9056	Total/NA
Sodium	72		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	620		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL — Lab Sample ID: 400-201058-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	250		10	1.2	mg/L	10		9056	Total/NA
Sodium	120		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	1400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	840		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-201058-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1300		50	6.0	mg/L	50		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2700		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-201058-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: AECOM

Job ID: 400-201058-1

Project/Site: Jal #4 Gas Plant1Q21

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201058-1	ACW-13	Water	03/23/21 09:35	03/24/21 09:08	
400-201058-2	ACW-14	Water	03/23/21 10:20	03/24/21 09:08	
400-201058-3	ACW-15	Water	03/23/21 08:55	03/24/21 09:08	
400-201058-4	DOOM WELL	Water	03/23/21 09:30	03/24/21 09:08	
400-201058-5	OXY WELL	Water	03/23/21 09:55	03/24/21 09:08	
400-201058-6	DUP-01	Water	03/23/21 09:00	03/24/21 09:08	
400-201058-7	TRIP BLANK	Water	03/23/21 00:00	03/24/21 09:08	

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: ACW-13

Date Collected: 03/23/21 09:35
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 14:42	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 14:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 14:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*78 - 118*		*04/04/21 14:42*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*04/04/21 14:42*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/04/21 14:42*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		50	6.0	mg/L			04/05/21 21:17	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4000**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**2600**		25	25	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: ACW-14

Date Collected: 03/23/21 10:20
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 16:43	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 16:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 16:43	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*04/04/21 16:43*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*04/04/21 16:43*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*04/04/21 16:43*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		10	1.2	mg/L			04/06/21 00:10	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**120**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**650**		5.0	5.0	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: ACW-15

Date Collected: 03/23/21 08:55
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 17:07	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 17:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 17:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*78 - 118*		*04/04/21 17:07*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*04/04/21 17:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/04/21 17:07*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		10	1.2	mg/L			04/06/21 00:35	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**650**		5.0	5.0	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: DOOM WELL

Date Collected: 03/23/21 09:30
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 17:31	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 17:31	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 17:31	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*78 - 118*		*04/04/21 17:31*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*04/04/21 17:31*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/04/21 17:31*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		1.0	0.12	mg/L			04/01/21 05:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**72**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**620**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**410**		5.0	5.0	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: OXY WELL

Date Collected: 03/23/21 09:55
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 17:56	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 17:56	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 17:56	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*78 - 118*		*04/04/21 17:56*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*04/04/21 17:56*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/04/21 17:56*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10	1.2	mg/L			04/06/21 01:00	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**120**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1400**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**840**		5.0	5.0	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: DUP-01

Date Collected: 03/23/21 09:00
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 18:20	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 18:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 18:20	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*04/04/21 18:20*	*1*
Dibromofluoromethane	*91*		*81 - 121*		*04/04/21 18:20*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/04/21 18:20*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		50	6.0	mg/L			04/06/21 01:25	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4100**		5.0	5.0	umhos/cm			03/29/21 10:37	1
Total Dissolved Solids	**2700**		25	25	mg/L			03/30/21 20:19	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-201058-7
Matrix: Water
Date Collected: 03/23/21 00:00
Date Received: 03/24/21 09:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 14:18	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 14:18	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 14:18	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*04/04/21 14:18*	*1*
Dibromofluoromethane	*90*		*81 - 121*		*04/04/21 14:18*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*04/04/21 14:18*	*1*

Definitions/Glossary

Client: AECOM Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Qualifiers

HPLC/IC

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.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-201058-1	ACW-13	109	93	105
400-201058-1 MS	ACW-13	111	96	112
400-201058-1 MSD	ACW-13	114	89	113
400-201058-2	ACW-14	103	93	112
400-201058-3	ACW-15	107	93	104
400-201058-4	DOOM WELL	109	94	106
400-201058-5	OXY WELL	108	93	107
400-201058-6	DUP-01	112	91	107
400-201058-7	TRIP BLANK	110	90	112
LCS 400-526263/1002	Lab Control Sample	111	91	109
MB 400-526263/23	Method Blank	108	89	113

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

GC/MS VOA

Analysis Batch: 526263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	8260B	
400-201058-2	ACW-14	Total/NA	Water	8260B	
400-201058-3	ACW-15	Total/NA	Water	8260B	
400-201058-4	DOOM WELL	Total/NA	Water	8260B	
400-201058-5	OXY WELL	Total/NA	Water	8260B	
400-201058-6	DUP-01	Total/NA	Water	8260B	
400-201058-7	TRIP BLANK	Total/NA	Water	8260B	
MB 400-526263/23	Method Blank	Total/NA	Water	8260B	
LCS 400-526263/1002	Lab Control Sample	Total/NA	Water	8260B	
400-201058-1 MS	ACW-13	Total/NA	Water	8260B	
400-201058-1 MSD	ACW-13	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 525898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-4	DOOM WELL	Total/NA	Water	9056	
MB 400-525898/44	Method Blank	Total/NA	Water	9056	
MB 400-525898/5	Method Blank	Total/NA	Water	9056	
LCS 400-525898/45	Lab Control Sample	Total/NA	Water	9056	
LCS 400-525898/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-525898/46	Lab Control Sample Dup	Total/NA	Water	9056	
LCSD 400-525898/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-525898/4	Lab Control Sample	Total/NA	Water	9056	
400-201058-2 MS	ACW-14	Total/NA	Water	9056	
400-201058-2 MSD	ACW-14	Total/NA	Water	9056	

Analysis Batch: 526429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	9056	
400-201058-2	ACW-14	Total/NA	Water	9056	
400-201058-3	ACW-15	Total/NA	Water	9056	
400-201058-5	OXY WELL	Total/NA	Water	9056	
400-201058-6	DUP-01	Total/NA	Water	9056	
MB 400-526429/5	Method Blank	Total/NA	Water	9056	
LCS 400-526429/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-526429/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-526429/4	Lab Control Sample	Total/NA	Water	9056	

Metals

Prep Batch: 525637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	3010A	
400-201058-2	ACW-14	Total/NA	Water	3010A	
400-201058-3	ACW-15	Total/NA	Water	3010A	
400-201058-4	DOOM WELL	Total/NA	Water	3010A	
400-201058-5	OXY WELL	Total/NA	Water	3010A	
400-201058-6	DUP-01	Total/NA	Water	3010A	
MB 400-525637/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-525637/2-A	Lab Control Sample	Total/NA	Water	3010A	

QC Association Summary

Client: AECOM Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Metals

Analysis Batch: 525942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	6010B	525637
400-201058-2	ACW-14	Total/NA	Water	6010B	525637
400-201058-3	ACW-15	Total/NA	Water	6010B	525637
400-201058-4	DOOM WELL	Total/NA	Water	6010B	525637
400-201058-5	OXY WELL	Total/NA	Water	6010B	525637
400-201058-6	DUP-01	Total/NA	Water	6010B	525637
MB 400-525637/1-A	Method Blank	Total/NA	Water	6010B	525637
LCS 400-525637/2-A	Lab Control Sample	Total/NA	Water	6010B	525637

General Chemistry

Analysis Batch: 525487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	120.1	
400-201058-2	ACW-14	Total/NA	Water	120.1	
400-201058-3	ACW-15	Total/NA	Water	120.1	
400-201058-4	DOOM WELL	Total/NA	Water	120.1	
400-201058-5	OXY WELL	Total/NA	Water	120.1	
400-201058-6	DUP-01	Total/NA	Water	120.1	
MB 400-525487/1	Method Blank	Total/NA	Water	120.1	
LCS 400-525487/2	Lab Control Sample	Total/NA	Water	120.1	
400-201058-3 DU	ACW-15	Total/NA	Water	120.1	

Analysis Batch: 525689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201058-1	ACW-13	Total/NA	Water	SM 2540C	
400-201058-2	ACW-14	Total/NA	Water	SM 2540C	
400-201058-3	ACW-15	Total/NA	Water	SM 2540C	
400-201058-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-201058-5	OXY WELL	Total/NA	Water	SM 2540C	
400-201058-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-525689/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-525689/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

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

Lab Sample ID: MB 400-526263/23
Matrix: Water
Analysis Batch: 526263

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			04/04/21 13:54	1
Toluene	<0.00041		0.0010	0.00041	mg/L			04/04/21 13:54	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/04/21 13:54	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/04/21 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*78 - 118*		*04/04/21 13:54*	*1*
Dibromofluoromethane	*89*		*81 - 121*		*04/04/21 13:54*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*04/04/21 13:54*	*1*

Lab Sample ID: LCS 400-526263/1002
Matrix: Water
Analysis Batch: 526263

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	0.0391		mg/L		78	70 - 130		
Toluene			0.0500	0.0430		mg/L		86	70 - 130		
Ethylbenzene			0.0500	0.0448		mg/L		90	70 - 130		
Xylenes, Total			0.100	0.0897		mg/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*78 - 118*
Dibromofluoromethane	*91*		*81 - 121*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 400-201058-1 MS
Matrix: Water
Analysis Batch: 526263

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	<0.00038		0.0500	0.0425		mg/L		85	56 - 142		
Toluene	<0.00041		0.0500	0.0449		mg/L		90	65 - 130		
Ethylbenzene	<0.00050		0.0500	0.0461		mg/L		92	58 - 131		
Xylenes, Total	<0.0016		0.100	0.0924		mg/L		92	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*112*		*80 - 120*

Lab Sample ID: 400-201058-1 MSD
Matrix: Water
Analysis Batch: 526263

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	<0.00038		0.0500	0.0415		mg/L		83	56 - 142	2	30
Toluene	<0.00041		0.0500	0.0449		mg/L		90	65 - 130	0	30
Ethylbenzene	<0.00050		0.0500	0.0445		mg/L		89	58 - 131	4	30

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

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

Lab Sample ID: 400-201058-1 MSD
Matrix: Water
Analysis Batch: 526263

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<0.0016		0.100	0.0904		mg/L		90	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*78 - 118*
Dibromofluoromethane	*89*		*81 - 121*
Toluene-d8 (Surr)	*113*		*80 - 120*

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-525898/44
Matrix: Water
Analysis Batch: 525898

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			04/01/21 06:53	1

Lab Sample ID: MB 400-525898/5
Matrix: Water
Analysis Batch: 525898

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			03/31/21 14:06	1

Lab Sample ID: LCS 400-525898/45
Matrix: Water
Analysis Batch: 525898

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCS 400-525898/6
Matrix: Water
Analysis Batch: 525898

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	10.8		mg/L		108	90 - 110

Lab Sample ID: LCSD 400-525898/46
Matrix: Water
Analysis Batch: 525898

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	10.9		mg/L		109	90 - 110	6	15

Lab Sample ID: LCSD 400-525898/7
Matrix: Water
Analysis Batch: 525898

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.7		mg/L		107	90 - 110	1	15

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MRL 400-525898/4
Matrix: Water
Analysis Batch: 525898

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	<0.89		mg/L		89	50 - 150		

Lab Sample ID: 400-201058-2 MS
Matrix: Water
Analysis Batch: 525898

Client Sample ID: ACW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	170	E	10.0	178	E 4	mg/L		94	80 - 120		

Lab Sample ID: 400-201058-2 MSD
Matrix: Water
Analysis Batch: 525898

Client Sample ID: ACW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	170	E	10.0	180	E 4	mg/L		105	80 - 120	1	20

Lab Sample ID: MB 400-526429/5
Matrix: Water
Analysis Batch: 526429

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			04/05/21 14:15	1

Lab Sample ID: LCS 400-526429/6
Matrix: Water
Analysis Batch: 526429

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	10.9		mg/L		109	90 - 110		

Lab Sample ID: LCSD 400-526429/7
Matrix: Water
Analysis Batch: 526429

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	3	15

Lab Sample ID: MRL 400-526429/4
Matrix: Water
Analysis Batch: 526429

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	0.892	J	mg/L		89	50 - 150		

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant1Q21

Job ID: 400-201058-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-525637/1-A
Matrix: Water
Analysis Batch: 525942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 525637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		03/30/21 11:17	03/31/21 16:29	1

Lab Sample ID: LCS 400-525637/2-A
Matrix: Water
Analysis Batch: 525942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525637

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 400-525487/1
Matrix: Water
Analysis Batch: 525487

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			03/29/21 10:37	1

Lab Sample ID: LCS 400-525487/2
Matrix: Water
Analysis Batch: 525487

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Specific Conductance	10.0	10.2		umhos/cm		102	98 - 102

Lab Sample ID: 400-201058-3 DU
Matrix: Water
Analysis Batch: 525487

Client Sample ID: ACW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	1100		1090		umhos/cm		2	2

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

Lab Sample ID: MB 400-525689/1
Matrix: Water
Analysis Batch: 525689

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/30/21 20:19	1

Lab Sample ID: LCS 400-525689/2
Matrix: Water
Analysis Batch: 525689

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	282		mg/L		96	78 - 122

Lab Chronicle

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: ACW-13
Lab Sample ID: 400-201058-1
Date Collected: 03/23/21 09:35
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 14:42	SAB	TAL PEN
Total/NA	Analysis	9056		50			526429	04/05/21 21:17	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 17:47	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-201058-2
Date Collected: 03/23/21 10:20
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 16:43	SAB	TAL PEN
Total/NA	Analysis	9056		10			526429	04/06/21 00:10	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 17:51	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: ACW-15
Lab Sample ID: 400-201058-3
Date Collected: 03/23/21 08:55
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 17:07	SAB	TAL PEN
Total/NA	Analysis	9056		10			526429	04/06/21 00:35	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 18:06	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: DOOM WELL
Lab Sample ID: 400-201058-4
Date Collected: 03/23/21 09:30
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 17:31	SAB	TAL PEN
Total/NA	Analysis	9056		1			525898	04/01/21 05:39	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 18:09	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: OXY WELL
Lab Sample ID: 400-201058-5
Date Collected: 03/23/21 09:55
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 17:56	SAB	TAL PEN
Total/NA	Analysis	9056		10			526429	04/06/21 01:00	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 18:13	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-201058-6
Date Collected: 03/23/21 09:00
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 18:20	SAB	TAL PEN
Total/NA	Analysis	9056		50			526429	04/06/21 01:25	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 18:17	GESP	TAL PEN
Total/NA	Analysis	120.1		1			525487	03/29/21 10:37	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-201058-7
Date Collected: 03/23/21 00:00
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 14:18	SAB	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-525487/1
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			525487	03/29/21 10:37	CAC	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-525637/1-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	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 16:29	GESP	TAL PEN

Lab Chronicle

Client: AECOM Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: Method Blank — Lab Sample ID: MB 400-525689/1

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	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-525898/44

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			525898	04/01/21 06:53	TAJ	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-525898/5

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			525898	03/31/21 14:06	TAJ	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-526263/23

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	526263	04/04/21 13:54	SAB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-526429/5

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			526429	04/05/21 14:15	TAJ	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-525487/2

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			525487	03/29/21 10:37	CAC	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-525637/2-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	525637	03/30/21 11:17	KWN	TAL PEN
Total/NA	Analysis	6010B		1			525942	03/31/21 16:33	GESP	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-525689/2
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	525689	03/30/21 20:19	DEK	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-525898/45
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			525898	04/01/21 07:18	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-525898/6
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			525898	03/31/21 14:56	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-526263/1002
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	526263	04/04/21 12:57	SAB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-526429/6
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			526429	04/05/21 15:05	TAJ	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-525898/46
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			525898	04/01/21 07:43	TAJ	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-525898/7
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			525898	03/31/21 15:21	TAJ	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-526429/7
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			526429	04/05/21 15:29	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-525898/4
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	9056		1			525898	03/31/21 16:20	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-526429/4
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	9056		1			526429	04/05/21 14:40	TAJ	TAL PEN

Client Sample ID: ACW-13
Lab Sample ID: 400-201058-1 MS
Date Collected: 03/23/21 09:35
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 15:06	SAB	TAL PEN

Client Sample ID: ACW-13
Lab Sample ID: 400-201058-1 MSD
Date Collected: 03/23/21 09:35
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	526263	04/04/21 15:30	SAB	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-201058-2 MS
Date Collected: 03/23/21 10:20
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			525898	04/01/21 08:08	TAJ	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-201058-2 MSD
Date Collected: 03/23/21 10:20
Matrix: Water
Date Received: 03/24/21 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			525898	04/01/21 08:32	TAJ	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Client Sample ID: ACW-15
Date Collected: 03/23/21 08:55
Date Received: 03/24/21 09:08

Lab Sample ID: 400-201058-3 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			525487	03/29/21 10:37	CAC	TAL PEN

Laboratory References:

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

Method Summary

Client: AECOM Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
9056	Anions, Ion Chromatography	SW846	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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-201058-1
Project/Site: Jal #4 Gas Plant1Q21

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-21-00056	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Duncan + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s): 1482 3807 8298	COC No: 400-101570-36074.1
Client Contact: Mr. ~~Scott Ude~~ Wally Gilmore	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 1
Company: ~~Hydrologic Monitoring~~ AECOM	PWSID:			Job #:
Address: ~~1654 W Belt N~~ 19219 Katy Frwy, Ste 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, ~~77043~~ 77094	Compliance Project: Δ Yes Δ No			
Phone: ~~713-520-998(Tel) 713-520-680(Fax)~~ 713-542-9523	PO #: WD801914			
Email: ~~ude@hmigroundwater.com~~ wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant1Q21	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

400-201058 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056_ORGFM_28D - Chloride	6010B - Sodium	8260B - BTEX	2540C - Local Method (TDS)	120.1 - Specific Conductance	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	N	N		
ACW-13	3/23/21	935	G	Water			✓	✓	✓	✓	✓		
ACW-14		1020		Water			✓	✓	✓	✓	✓		
ACW-15		855		Water			✓	✓	✓	✓	✓		
Doom Well		930		Water			✓	✓	✓	✓	✓		
OXY Well		955		Water			✓	✓	✓	✓	✓		
Dup-01		900		Water			✓	✓	✓	✓	✓		
Trip Blank	↓	—	↓	Water					✓				

Preservation Codes:

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

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:	Time:	Method of Shipment: FedEx 1482 3807 8298		
Relinquished by: Scott Duncan	Date/Time: 3/23/21 1120	Company HMI	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3-24-21/0908	Company EDT

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

Cooler Temperature(s) °C and Other Remarks: 0.1°C IR9

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-201058-1

Login Number: 201058 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1°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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Sample Delivery Group: 400-201058-1
Sampling Date: March 23, 2021
Data Reviewer: Katie Abbott **Date Completed:** March 6, 2021
Peer Reviewer: Brian Rothmeyer **Date Completed:** March 9, 2021

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

Field ID	Sample Type	Laboratory ID	Matrix	Analyses		
				VOCs (8260B)	Metals (6010B)	General Chemistry
ACW-13	SA	400-201058-1	Water	X^m	X	X
ACW-14	SA	400-201058-2	Water	X	X	X^m
ACW-15	SA	400-201058-3	Water	X	X	X
DOOM WELL	SA	400-201058-4	Water	X	X	X
OXY WELL	SA	400-201058-5	Water	X	X	X
DUP-01	FD	400-201058-6	Water	X	X	X
TRIP BLANK	TB	400-201058-7	Water	X	---	---

Sample Type: FD – Field Duplicate; SA – Sample; TB – Trip Blank
X^m – Matrix Spike/Matrix Spike Duplicate; --- – Not Analyzed

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

This report contains the final results of the data validation conducted for samples collected in March 2021 at the Jal #4 Gas Plant. The sample results were presented in one data package for the data analyses. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*;*USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020); method requirements, and laboratory criteria.

General Overall Assessment:

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

Case Narrative Comments: Any case narrative comments concerning data qualification were noted in the table below.

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Pensacola in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of ≤6°C. Data qualification was not necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • **Method Blank**	Yes	Target analytes were not detected within the method or calibration blanks.
Matrix Quality Control • **Matrix Spike/ Matrix Spike Duplicate** ACW-13 (VOCs) ACW-14 (Chloride) • **Laboratory Duplicate** ACW-15 (Specific Conductance)	Yes	**Matrix Spike/Matrix Spike Duplicate (MS/MSD)** The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. An MS/MSD was not performed for sodium. Therefore, there is no measure of accuracy and precision as it pertains to the sample matrix for this analyte. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. **Laboratory Duplicate** The comparison between results of the parent sample and laboratory duplicate met the criteria listed below. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by an RPD meeting laboratory limits. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <1xRL.
Laboratory Performance • **Laboratory Control Sample**	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • **Surrogates (VOCs)**	Yes	Surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • **Trip Blank** TRIP BLANK • **Field Duplicate** ACW-13/DUP-01	Yes	**Trip Blank (Volatile Organic Compounds)** Target analytes were not detected in the trip blank. **Field Duplicate** The following concentration – dependent criteria were used to evaluate field duplicates: • If one or both results were ≤5x the RL, then the absolute difference between the results should agree within ±2xRL. • If both results were ≥5xRL, then the RPD should be ≤30%. The field duplicate pair results satisfied the applicable evaluation criteria.

Review Parameter	Criteria Met?	Comments
Method Quantitation Limits Met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
°C – Degrees Celsius
> – Greater Than
≥ – Greater Than or Equal To
≤ – Less Than or Equal To
± – Plus or Minus
COC – Chain of Custody
LCS – Laboratory Control Sample
LCSD – Laboratory Control Sample Duplicate
MS/MSD – Matrix Spike/Matrix Spike Duplicate
RPDs – Relative Percent Differences
RL– Sample Reporting Limit
VOCs – Volatile Organic Compounds

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-204812-1
Client Project/Site: Jal #4 Gas Plant 2Q21

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

Attn: Mr. Wallace Gilmore

Authorized for release by:
6/29/2021 4:11:40 PM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Laboratory Job ID: 400-204812-1

Table of Contents

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Job ID: 400-204812-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-204812-1

Comments
No additional comments.

Receipt
The samples were received on 6/17/2021 9:52 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7º 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 following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-204812-1), ACW-14 (400-204812-2), ACW-15 (400-204812-3), OXY WELL (400-204812-5) and DUP-01 (400-204812-6). 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: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: ACW-13 — Lab Sample ID: 400-204812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1300		50	6.0	mg/L	50		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4400		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: 400-204812-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	180		5.0	0.60	mg/L	5		9056	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	640		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-204812-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	100		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: DOOM WELL — Lab Sample ID: 400-204812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33		1.0	0.12	mg/L	1		9056	Total/NA
Sodium	65		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	680		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL — Lab Sample ID: 400-204812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	260		25	3.0	mg/L	25		9056	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	840		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-204812-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1400		50	6.0	mg/L	50		9056	Total/NA
Sodium	210		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3800		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-204812-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-204812-1	ACW-13	Water	06/16/21 09:50	06/17/21 09:52	
400-204812-2	ACW-14	Water	06/16/21 09:05	06/17/21 09:52	
400-204812-3	ACW-15	Water	06/16/21 08:25	06/17/21 09:52	
400-204812-4	DOOM WELL	Water	06/16/21 09:35	06/17/21 09:52	
400-204812-5	OXY WELL	Water	06/16/21 09:55	06/17/21 09:52	
400-204812-6	DUP-01	Water	06/16/21 08:00	06/17/21 09:52	
400-204812-7	TRIP BLANK	Water	06/16/21 00:00	06/17/21 09:52	

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: ACW-13

Date Collected: 06/16/21 09:50
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 17:11	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 17:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 17:11	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*06/24/21 17:11*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*06/24/21 17:11*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*06/24/21 17:11*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		50	6.0	mg/L			06/25/21 22:00	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		2.0	0.92	mg/L		06/18/21 10:32	06/22/21 23:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4400**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**3600**		25	25	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: ACW-14

Date Collected: 06/16/21 09:05
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 17:38	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 17:38	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 17:38	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*06/24/21 17:38*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/24/21 17:38*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*06/24/21 17:38*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		5.0	0.60	mg/L			06/25/21 16:37	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**120**		2.0	0.92	mg/L		06/21/21 11:16	06/24/21 01:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**640**		5.0	5.0	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: ACW-15

Date Collected: 06/16/21 08:25
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 18:04	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 18:04	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 18:04	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 119*		*06/24/21 18:04*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*06/24/21 18:04*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*06/24/21 18:04*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		5.0	0.60	mg/L			06/25/21 17:02	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**100**		2.0	0.92	mg/L		06/21/21 11:16	06/24/21 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**650**		5.0	5.0	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: DOOM WELL

Date Collected: 06/16/21 09:35
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 18:30	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 18:30	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 18:30	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*06/24/21 18:30*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*06/24/21 18:30*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*06/24/21 18:30*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33**		1.0	0.12	mg/L			06/25/21 14:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**65**		2.0	0.92	mg/L		06/21/21 11:16	06/24/21 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**680**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**410**		5.0	5.0	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: OXY WELL

Date Collected: 06/16/21 09:55
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 18:56	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 18:56	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 18:56	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*06/24/21 18:56*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*06/24/21 18:56*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*06/24/21 18:56*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		25	3.0	mg/L			06/28/21 18:25	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		2.0	0.92	mg/L		06/21/21 11:16	06/25/21 21:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1600**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**840**		10	10	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: DUP-01

Date Collected: 06/16/21 08:00
Date Received: 06/17/21 09:52

Lab Sample ID: 400-204812-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 19:22	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 19:22	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 19:22	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*06/24/21 19:22*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*06/24/21 19:22*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*06/24/21 19:22*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		50	6.0	mg/L			06/28/21 18:50	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**210**		2.0	0.92	mg/L		06/21/21 11:16	06/25/21 21:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4400**		5.0	5.0	umhos/cm			06/18/21 10:25	1
Total Dissolved Solids	**3800**		25	25	mg/L			06/18/21 10:31	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-204812-7
Matrix: Water
Date Collected: 06/16/21 00:00
Date Received: 06/17/21 09:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 19:48	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 19:48	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 19:48	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*06/24/21 19:48*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/24/21 19:48*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*06/24/21 19:48*	*1*

Definitions/Glossary

Client: AECOM Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Qualifiers

HPLC/IC

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.
¤	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 2Q21

Job ID: 400-204812-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-119)	(75-126)	(64-132)
400-204812-1	ACW-13	94	100	102
400-204812-2	ACW-14	93	101	103
400-204812-3	ACW-15	95	102	102
400-204812-4	DOOM WELL	96	102	102
400-204812-5	OXY WELL	93	103	105
400-204812-6	DUP-01	93	104	102
400-204812-7	TRIP BLANK	92	101	103
LCS 400-536895/1002	Lab Control Sample	94	99	101
MB 400-536895/4	Method Blank	93	99	104

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

GC/MS VOA

Analysis Batch: 536895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	8260B	
400-204812-2	ACW-14	Total/NA	Water	8260B	
400-204812-3	ACW-15	Total/NA	Water	8260B	
400-204812-4	DOOM WELL	Total/NA	Water	8260B	
400-204812-5	OXY WELL	Total/NA	Water	8260B	
400-204812-6	DUP-01	Total/NA	Water	8260B	
400-204812-7	TRIP BLANK	Total/NA	Water	8260B	
MB 400-536895/4	Method Blank	Total/NA	Water	8260B	
LCS 400-536895/1002	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 537176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	9056	
400-204812-2	ACW-14	Total/NA	Water	9056	
400-204812-3	ACW-15	Total/NA	Water	9056	
400-204812-4	DOOM WELL	Total/NA	Water	9056	
MB 400-537176/8	Method Blank	Total/NA	Water	9056	
LCS 400-537176/9	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-537176/10	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-537176/7	Lab Control Sample	Total/NA	Water	9056	
400-204812-4 MS	DOOM WELL	Total/NA	Water	9056	
400-204812-4 MSD	DOOM WELL	Total/NA	Water	9056	

Analysis Batch: 537482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-5	OXY WELL	Total/NA	Water	9056	
400-204812-6	DUP-01	Total/NA	Water	9056	
MB 400-537482/5	Method Blank	Total/NA	Water	9056	
LCS 400-537482/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-537482/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-537482/4	Lab Control Sample	Total/NA	Water	9056	

Metals

Prep Batch: 536219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	3010A	
MB 400-536219/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-536219/2-A	Lab Control Sample	Total/NA	Water	3010A	

Prep Batch: 536436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-2	ACW-14	Total/NA	Water	3010A	
400-204812-3	ACW-15	Total/NA	Water	3010A	
400-204812-4	DOOM WELL	Total/NA	Water	3010A	
400-204812-5	OXY WELL	Total/NA	Water	3010A	
400-204812-6	DUP-01	Total/NA	Water	3010A	
MB 400-536436/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-536436/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-204812-2 MS	ACW-14	Total/NA	Water	3010A	

QC Association Summary

Client: AECOM Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Metals (Continued)

Prep Batch: 536436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-2 MSD	ACW-14	Total/NA	Water	3010A	

Analysis Batch: 536740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	6010B	536219
MB 400-536219/1-A	Method Blank	Total/NA	Water	6010B	536219
LCS 400-536219/2-A	Lab Control Sample	Total/NA	Water	6010B	536219

Analysis Batch: 536900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-2	ACW-14	Total/NA	Water	6010B	536436
MB 400-536436/1-A	Method Blank	Total/NA	Water	6010B	536436
LCS 400-536436/2-A	Lab Control Sample	Total/NA	Water	6010B	536436
400-204812-2 MS	ACW-14	Total/NA	Water	6010B	536436
400-204812-2 MSD	ACW-14	Total/NA	Water	6010B	536436

Analysis Batch: 537101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-3	ACW-15	Total/NA	Water	6010B	536436
400-204812-4	DOOM WELL	Total/NA	Water	6010B	536436

Analysis Batch: 537223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-5	OXY WELL	Total/NA	Water	6010B	536436
400-204812-6	DUP-01	Total/NA	Water	6010B	536436

General Chemistry

Analysis Batch: 536230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	120.1	
400-204812-2	ACW-14	Total/NA	Water	120.1	
400-204812-3	ACW-15	Total/NA	Water	120.1	
400-204812-4	DOOM WELL	Total/NA	Water	120.1	
400-204812-5	OXY WELL	Total/NA	Water	120.1	
400-204812-6	DUP-01	Total/NA	Water	120.1	
MB 400-536230/1	Method Blank	Total/NA	Water	120.1	
LCS 400-536230/2	Lab Control Sample	Total/NA	Water	120.1	

Analysis Batch: 536235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-204812-1	ACW-13	Total/NA	Water	SM 2540C	
400-204812-2	ACW-14	Total/NA	Water	SM 2540C	
400-204812-3	ACW-15	Total/NA	Water	SM 2540C	
400-204812-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-204812-5	OXY WELL	Total/NA	Water	SM 2540C	
400-204812-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-536235/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-536235/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

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

Lab Sample ID: MB 400-536895/4
Matrix: Water
Analysis Batch: 536895

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			06/24/21 10:50	1
Toluene	<0.00041		0.0010	0.00041	mg/L			06/24/21 10:50	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/24/21 10:50	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/24/21 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*06/24/21 10:50*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*06/24/21 10:50*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/24/21 10:50*	*1*

Lab Sample ID: LCS 400-536895/1002
Matrix: Water
Analysis Batch: 536895

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	0.0439		mg/L		88	70 - 130		
Toluene			0.0500	0.0467		mg/L		93	70 - 130		
Ethylbenzene			0.0500	0.0489		mg/L		98	70 - 130		
Xylenes, Total			0.100	0.0961		mg/L		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*99*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-537176/8
Matrix: Water
Analysis Batch: 537176

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			06/25/21 13:19	1

Lab Sample ID: LCS 400-537176/9
Matrix: Water
Analysis Batch: 537176

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.5		mg/L		105	90 - 110		

Lab Sample ID: LCSD 400-537176/10
Matrix: Water
Analysis Batch: 537176

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

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 400-537176/7
Matrix: Water
Analysis Batch: 537176

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	0.907	J	mg/L		91	50 - 150		

Lab Sample ID: 400-204812-4 MS
Matrix: Water
Analysis Batch: 537176

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	33		10.0	42.8		mg/L		102	80 - 120		

Lab Sample ID: 400-204812-4 MSD
Matrix: Water
Analysis Batch: 537176

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	33		10.0	42.8		mg/L		102	80 - 120	0	20

Lab Sample ID: MB 400-537482/5
Matrix: Water
Analysis Batch: 537482

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.12		1.0	0.12	mg/L			06/28/21 17:11	1

Lab Sample ID: LCS 400-537482/6
Matrix: Water
Analysis Batch: 537482

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.3		mg/L		103	90 - 110		

Lab Sample ID: LCSD 400-537482/7
Matrix: Water
Analysis Batch: 537482

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			10.0	10.4		mg/L		104	90 - 110	0	15

Lab Sample ID: MRL 400-537482/4
Matrix: Water
Analysis Batch: 537482

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	0.924	J	mg/L		92	50 - 150		

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-536219/1-A
Matrix: Water
Analysis Batch: 536740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 536219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		06/18/21 10:32	06/22/21 22:57	1

Lab Sample ID: LCS 400-536219/2-A
Matrix: Water
Analysis Batch: 536740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	10.0	9.97		mg/L		100	80 - 120

Lab Sample ID: MB 400-536436/1-A
Matrix: Water
Analysis Batch: 536900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 536436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		06/21/21 11:16	06/24/21 01:22	1

Lab Sample ID: LCS 400-536436/2-A
Matrix: Water
Analysis Batch: 536900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	10.0	10.4		mg/L		104	80 - 120

Lab Sample ID: 400-204812-2 MS
Matrix: Water
Analysis Batch: 536900

Client Sample ID: ACW-14
Prep Type: Total/NA
Prep Batch: 536436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	120		10.0	127	4	mg/L		101	75 - 125

Lab Sample ID: 400-204812-2 MSD
Matrix: Water
Analysis Batch: 536900

Client Sample ID: ACW-14
Prep Type: Total/NA
Prep Batch: 536436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	120		10.0	123	4	mg/L		68	75 - 125	3	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-536230/1
Matrix: Water
Analysis Batch: 536230

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			06/18/21 10:25	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 2Q21

Job ID: 400-204812-1

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 400-536230/2
Matrix: Water
Analysis Batch: 536230

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Specific Conductance			10.0	10.2		umhos/cm		102	98 - 102		

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

Lab Sample ID: MB 400-536235/1
Matrix: Water
Analysis Batch: 536235

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			06/18/21 10:31	1

Lab Sample ID: LCS 400-536235/2
Matrix: Water
Analysis Batch: 536235

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	284		mg/L		97	78 - 122		

Lab Chronicle

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: ACW-13
Lab Sample ID: 400-204812-1
Date Collected: 06/16/21 09:50
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 17:11	CAR	TAL PEN
Total/NA	Analysis	9056		50			537176	06/25/21 22:00	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536219	06/18/21 10:32	KW	TAL PEN
Total/NA	Analysis	6010B		1			536740	06/22/21 23:49	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-204812-2
Date Collected: 06/16/21 09:05
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 17:38	CAR	TAL PEN
Total/NA	Analysis	9056		5			537176	06/25/21 16:37	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			536900	06/24/21 01:30	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: ACW-15
Lab Sample ID: 400-204812-3
Date Collected: 06/16/21 08:25
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 18:04	CAR	TAL PEN
Total/NA	Analysis	9056		5			537176	06/25/21 17:02	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			537101	06/24/21 17:58	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: DOOM WELL
Lab Sample ID: 400-204812-4
Date Collected: 06/16/21 09:35
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 18:30	CAR	TAL PEN
Total/NA	Analysis	9056		1			537176	06/25/21 14:33	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			537101	06/24/21 18:02	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: OXY WELL
Lab Sample ID: 400-204812-5
Date Collected: 06/16/21 09:55
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 18:56	CAR	TAL PEN
Total/NA	Analysis	9056		25			537482	06/28/21 18:25	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			537223	06/25/21 21:01	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-204812-6
Date Collected: 06/16/21 08:00
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 19:22	CAR	TAL PEN
Total/NA	Analysis	9056		50			537482	06/28/21 18:50	TAJ	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			537223	06/25/21 21:16	JTW	TAL PEN
Total/NA	Analysis	120.1		1			536230	06/18/21 10:25	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-204812-7
Date Collected: 06/16/21 00:00
Matrix: Water
Date Received: 06/17/21 09:52

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	536895	06/24/21 19:48	CAR	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-536219/1-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	536219	06/18/21 10:32	KW	TAL PEN
Total/NA	Analysis	6010B		1			536740	06/22/21 22:57	JTW	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-536230/1
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			536230	06/18/21 10:25	CAC	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: Method Blank — Lab Sample ID: MB 400-536235/1

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	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-536436/1-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	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			536900	06/24/21 01:22	JTW	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-536895/4

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	536895	06/24/21 10:50	CAR	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-537176/8

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			537176	06/25/21 13:19	TAJ	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-537482/5

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			537482	06/28/21 17:11	TAJ	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-536219/2-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	536219	06/18/21 10:32	KW	TAL PEN
Total/NA	Analysis	6010B		1			536740	06/22/21 23:01	JTW	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-536230/2

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			536230	06/18/21 10:25	CAC	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-536235/2
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	536235	06/18/21 10:31	VB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-536436/2-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	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			536900	06/24/21 01:26	JTW	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-536895/1002
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	536895	06/24/21 09:47	CAR	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-537176/9
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			537176	06/25/21 13:44	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-537482/6
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			537482	06/28/21 17:35	TAJ	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-537176/10
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			537176	06/25/21 14:08	TAJ	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-537482/7
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			537482	06/28/21 18:00	TAJ	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-537176/7
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			537176	06/25/21 12:54	TAJ	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-537482/4
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	9056		1			537482	06/28/21 16:46	TAJ	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-204812-2 MS
Date Collected: 06/16/21 09:05
Matrix: Water
Date Received: 06/17/21 09:52

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	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			536900	06/24/21 01:41	JTW	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-204812-2 MSD
Date Collected: 06/16/21 09:05
Matrix: Water
Date Received: 06/17/21 09:52

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	536436	06/21/21 11:16	KWN	TAL PEN
Total/NA	Analysis	6010B		1			536900	06/24/21 01:44	JTW	TAL PEN

Client Sample ID: DOOM WELL
Lab Sample ID: 400-204812-4 MS
Date Collected: 06/16/21 09:35
Matrix: Water
Date Received: 06/17/21 09:52

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			537176	06/25/21 14:58	TAJ	TAL PEN

Client Sample ID: DOOM WELL
Lab Sample ID: 400-204812-4 MSD
Date Collected: 06/16/21 09:35
Matrix: Water
Date Received: 06/17/21 09:52

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			537176	06/25/21 15:23	TAJ	TAL PEN

Laboratory References:

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

Method Summary

Client: AECOM Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
9056	Anions, Ion Chromatography	SW846	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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-204812-1
Project/Site: Jal #4 Gas Plant 2Q21

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	06-30-21

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

Chain of Custody Record

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Client Information	Sampler: Scott Duncan + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s): 1482 3808 8299	COC No: 400-103259-36074.1
Client Contact: Mr. ~~Scott Ude~~ Wally Gilmore	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 1
Company: ~~Hydrologic Monitoring~~ AECOM	PWSID:			Job #:
Address: ~~1654 W Belt N~~ 19219 Katy Frwy, Ste 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, ~~77043~~ 77094	Compliance Project: Δ Yes Δ No			
Phone: ~~713-520-990(Tel) 713-520-680(Fax)~~ 713-542-9523	PO #: WD801914			
Email: wallace.gilmore@aecom.com ~~ude@hmigroundwater.com~~	WO #:			
Project Name: Jal #4 Gas Plant ~~1Q21~~ 2Q21	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCl
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
W - pH 4-5
Z - other (specify)
Other:

400-204812 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	9056_ORGFM_28D - Chloride	6010B - Sodium	8260B - BTEX	2540C - Local Method (TDS)	120.1 - Specific Conductance	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	N	N		
ACW-13	6/16/21	950	G	Water			✓	✓	✓	✓	✓		
ACW-14		905		Water			✓	✓	✓	✓	✓		
ACW-15		825		Water			✓	✓	✓	✓	✓		
Doom well		935		Water			✓	✓	✓	✓	✓		
OXY well		955		Water			✓	✓	✓	✓	✓		
Dup-01		800		Water			✓	✓	✓	✓	✓		
Trip Blank		—		Water					✓				

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx
Relinquished by: Scott D	Date/Time: 6/16/21 1100	Company: HMI	Received by:	Date/Time: 6-17-21 0952	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.7°C IR-9

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-204812-1

Login Number: 204812 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Conrady, Hank W

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7°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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Sample Delivery Group: 400-204812-1
Sampling Date: June 16, 2022
Data Reviewer: Katie Abbott **Date Completed:** March 6, 2021
Peer Reviewer: Brian Rothmeyer **Date Completed:** March 9, 2021

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

Field ID	Sample Type	Laboratory ID	Matrix	Analyses		
				VOCs (8260B)	Metals (6010B)	General Chemistry
ACW-13	SA	400-204812-1	Water	X	X	X
ACW-14	SA	400-204812-2	Water	X	X^m	X
ACW-15	SA	400-204812-3	Water	X	X	X
DOOM WELL	SA	400-204812-4	Water	X	X	X^m
OXY WELL	SA	400-204812-5	Water	X	X	X
DUP-01	FD	400-204812-6	Water	X	X	X
TRIP BLANK	TB	400-204812-7	Water	X	---	---

Sample Type: FD – Field Duplicate SA – Sample TB – Trip Blank
X^m – Matrix Spike/Matrix Spike Duplicate --- – Not Analyzed

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

This report contains the final results of the data validation conducted for samples collected in June 2021 at the Jal #4 Gas Plant. The sample results were presented in one data package for the data analyses. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*;*USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020); method requirements, and laboratory criteria.

General Overall Assessment:

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

Case Narrative Comments: Any case narrative comments concerning data qualification were noted in the table below.

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Pensacola in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of ≤6°C. Data qualification was not necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • **Method Blank**	Yes	Target analytes were not detected within the method or calibration blanks.
Matrix Quality Control • **Matrix Spike/ Matrix Spike Duplicate** ACW-14 (Metals) DOOM WELL (Chloride)	Yes	**Matrix Spike/Matrix Spike Duplicate (MS/MSD)** The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. An MS/MSD was not performed for volatile organic compounds (VOCs). Therefore, there is no measure of accuracy and precision as it pertains to the sample matrix for this parameter. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary.
Laboratory Performance • **Laboratory Control Sample**	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • **Surrogates (VOCs)**	Yes	Surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • **Trip Blank** TRIP BLANK • **Field Duplicate** ACW-13/DUP-01	Yes	**Trip Blank (Volatile Organic Compounds (VOCs))** Target analytes were not detected in the trip blank. **Field Duplicate** The following concentration – dependent criteria were used to evaluate field duplicates: • If one or both results were ≤5x the reporting limit (RL), then the absolute difference between the results should agree within ±2xRL. • If both results were ≥5xRL, then the RPD should be ≤30%. The field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
°C – Degrees Celsius
> – Greater Than
≥ – Greater Than or Equal To
≤ – Less Than or Equal To
± – Plus or Minus
COC – Chain of Custody
LCS – Laboratory Control Sample
LCSD – Laboratory Control Sample Duplicate
MS/MSD – Matrix Spike/Matrix Spike Duplicate
RPDs – Relative Percent Differences
RL– Sample Reporting Limit
VOCs – Volatile Organic Compounds

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-208478-1
Client Project/Site: Jal #4 Gas Plant 3Q21

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

Attn: Mr. Wallace Gilmore

Marty Edwards

Authorized for release by:
9/30/2021 6:11:48 PM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Laboratory Job ID: 400-208478-1

Table of Contents

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Job ID: 400-208478-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-208478-1

Comments
No additional comments.

Receipt
The samples were received on 9/16/2021 9:46 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8º C.

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

HPLC/IC
Method 9056: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-549144 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-208478-1), ACW-14 (400-208478-2), ACW-15 (400-208478-3), FMR OXY WELL (400-208478-5) and DUP-01 (400-208478-6). 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
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: ACW-13 — Lab Sample ID: 400-208478-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1500		100	12	mg/L	100		9056	Total/NA
Sodium	200		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5000		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-208478-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		10	1.2	mg/L	10		9056	Total/NA
Sodium	110		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: 400-208478-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		10	1.2	mg/L	10		9056	Total/NA
Sodium	97		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	770		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL — Lab Sample ID: 400-208478-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	82		2.0	0.24	mg/L	2		9056	Total/NA
Sodium	62		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	650		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR OXY WELL — Lab Sample ID: 400-208478-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		10	1.2	mg/L	10		9056	Total/NA
Sodium	95		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	810		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-208478-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1600		50	6.0	mg/L	50		9056	Total/NA
Sodium	200		2.0	0.92	mg/L	1		6010B	Total/NA
Specific Conductance	4400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5000		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-208478-7

No Detections.

Client Sample ID: ACW-09 — Lab Sample ID: 400-208478-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	12000	F1	500	60	mg/L	500		9056	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: AECOM Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-208478-1	ACW-13	Water	09/15/21 11:40	09/16/21 09:46
400-208478-2	ACW-14	Water	09/15/21 10:55	09/16/21 09:46
400-208478-3	ACW-15	Water	09/15/21 12:25	09/16/21 09:46
400-208478-4	DOOM WELL	Water	09/15/21 12:45	09/16/21 09:46
400-208478-5	FMR OXY WELL	Water	09/15/21 12:10	09/16/21 09:46
400-208478-6	DUP-01	Water	09/15/21 11:00	09/16/21 09:46
400-208478-7	TRIP BLANK	Water	09/15/21 00:00	09/16/21 09:46
400-208478-8	ACW-09	Water	09/15/21 13:05	09/16/21 09:46

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: ACW-13

Date Collected: 09/15/21 11:40
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 11:40	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 11:40	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 11:40	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 11:40*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*09/21/21 11:40*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*09/21/21 11:40*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		100	12	mg/L			09/29/21 08:57	100

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**200**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 03:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4500**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**5000**		25	25	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: ACW-14

Date Collected: 09/15/21 10:55
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 16:29	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 16:29	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 16:29	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 16:29*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*09/21/21 16:29*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*09/21/21 16:29*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		10	1.2	mg/L			09/29/21 09:22	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 03:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**650**		5.0	5.0	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: ACW-15

Date Collected: 09/15/21 12:25
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 16:55	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 16:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 16:55	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*09/21/21 16:55*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*09/21/21 16:55*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*09/21/21 16:55*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**220**		10	1.2	mg/L			09/29/21 09:47	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**97**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 04:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**770**		5.0	5.0	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: DOOM WELL

Date Collected: 09/15/21 12:45
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 17:21	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 17:21	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 17:21	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 17:21*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*09/21/21 17:21*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*09/21/21 17:21*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82**		2.0	0.24	mg/L			09/28/21 16:15	2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**62**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 04:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**650**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**410**		5.0	5.0	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-208478-5
Date Collected: 09/15/21 12:10
Matrix: Water
Date Received: 09/16/21 09:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 18:08	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 18:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 18:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*09/21/21 18:08*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*09/21/21 18:08*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/21/21 18:08*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		10	1.2	mg/L			09/29/21 10:12	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**95**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 04:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1200**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**810**		5.0	5.0	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: DUP-01

Date Collected: 09/15/21 11:00
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 18:34	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 18:34	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 18:34	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 18:34*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*09/21/21 18:34*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/21/21 18:34*	*1*

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		50	6.0	mg/L			09/29/21 10:37	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**200**		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 04:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4400**		5.0	5.0	umhos/cm			09/24/21 12:43	1
Total Dissolved Solids	**5000**		25	25	mg/L			09/21/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-208478-7

Date Collected: 09/15/21 00:00
Matrix: Water
Date Received: 09/16/21 09:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 19:00	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 19:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 19:00	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 19:00*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*09/21/21 19:00*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/21/21 19:00*	*1*

Client Sample Results

Client: AECOM
Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Client Sample ID: ACW-09
Lab Sample ID: 400-208478-8
Date Collected: 09/15/21 13:05
Matrix: Water
Date Received: 09/16/21 09:46

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000	F1	500	60	mg/L			09/29/21 16:56	500

Definitions/Glossary

Client: AECOM Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Qualifiers

HPLC/IC

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.
E	Result exceeded calibration range.
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.
¤	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 3Q21

Job ID: 400-208478-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-119)	(75-126)	(64-132)
400-208478-1	ACW-13	90	106	93
400-208478-1 MS	ACW-13	94	105	92
400-208478-1 MSD	ACW-13	96	105	92
400-208478-2	ACW-14	90	107	95
400-208478-3	ACW-15	92	106	95
400-208478-4	DOOM WELL	90	104	93
400-208478-5	FMR OXY WELL	89	106	97
400-208478-6	DUP-01	90	107	97
400-208478-7	TRIP BLANK	90	105	96
LCS 400-548141/1002	Lab Control Sample	94	111	92
MB 400-548141/27	Method Blank	90	105	93

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

GC/MS VOA

Analysis Batch: 548141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	8260B	
400-208478-2	ACW-14	Total/NA	Water	8260B	
400-208478-3	ACW-15	Total/NA	Water	8260B	
400-208478-4	DOOM WELL	Total/NA	Water	8260B	
400-208478-5	FMR OXY WELL	Total/NA	Water	8260B	
400-208478-6	DUP-01	Total/NA	Water	8260B	
400-208478-7	TRIP BLANK	Total/NA	Water	8260B	
MB 400-548141/27	Method Blank	Total/NA	Water	8260B	
LCS 400-548141/1002	Lab Control Sample	Total/NA	Water	8260B	
400-208478-1 MS	ACW-13	Total/NA	Water	8260B	
400-208478-1 MSD	ACW-13	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 549144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	9056	
400-208478-2	ACW-14	Total/NA	Water	9056	
400-208478-3	ACW-15	Total/NA	Water	9056	
400-208478-4	DOOM WELL	Total/NA	Water	9056	
400-208478-5	FMR OXY WELL	Total/NA	Water	9056	
400-208478-6	DUP-01	Total/NA	Water	9056	
400-208478-8	ACW-09	Total/NA	Water	9056	
MB 400-549144/4	Method Blank	Total/NA	Water	9056	
LCS 400-549144/11	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-549144/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-549144/5	Lab Control Sample	Total/NA	Water	9056	
400-208478-1 MS	ACW-13	Total/NA	Water	9056	
400-208478-1 MSD	ACW-13	Total/NA	Water	9056	
400-208478-8 MS	ACW-09	Total/NA	Water	9056	

Metals

Prep Batch: 548363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	3010A	
400-208478-2	ACW-14	Total/NA	Water	3010A	
400-208478-3	ACW-15	Total/NA	Water	3010A	
400-208478-4	DOOM WELL	Total/NA	Water	3010A	
400-208478-5	FMR OXY WELL	Total/NA	Water	3010A	
400-208478-6	DUP-01	Total/NA	Water	3010A	
MB 400-548363/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-548363/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 548893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	6010B	548363
400-208478-2	ACW-14	Total/NA	Water	6010B	548363
400-208478-3	ACW-15	Total/NA	Water	6010B	548363
400-208478-4	DOOM WELL	Total/NA	Water	6010B	548363
400-208478-5	FMR OXY WELL	Total/NA	Water	6010B	548363
400-208478-6	DUP-01	Total/NA	Water	6010B	548363

QC Association Summary

Client: AECOM Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Metals (Continued)

Analysis Batch: 548893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-548363/1-A	Method Blank	Total/NA	Water	6010B	548363
LCS 400-548363/2-A	Lab Control Sample	Total/NA	Water	6010B	548363

General Chemistry

Analysis Batch: 548194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	SM 2540C	
400-208478-2	ACW-14	Total/NA	Water	SM 2540C	
400-208478-3	ACW-15	Total/NA	Water	SM 2540C	
400-208478-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-208478-5	FMR OXY WELL	Total/NA	Water	SM 2540C	
400-208478-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-548194/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-548194/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-208478-1 DU	ACW-13	Total/NA	Water	SM 2540C	

Analysis Batch: 548679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-208478-1	ACW-13	Total/NA	Water	120.1	
400-208478-2	ACW-14	Total/NA	Water	120.1	
400-208478-3	ACW-15	Total/NA	Water	120.1	
400-208478-4	DOOM WELL	Total/NA	Water	120.1	
400-208478-5	FMR OXY WELL	Total/NA	Water	120.1	
400-208478-6	DUP-01	Total/NA	Water	120.1	
MB 400-548679/1	Method Blank	Total/NA	Water	120.1	
LCS 400-548679/2	Lab Control Sample	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

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

Lab Sample ID: MB 400-548141/27
Matrix: Water
Analysis Batch: 548141

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038		0.0010	0.00038	mg/L			09/21/21 11:14	1
Toluene	<0.00041		0.0010	0.00041	mg/L			09/21/21 11:14	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/21/21 11:14	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			09/21/21 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*09/21/21 11:14*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*09/21/21 11:14*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*09/21/21 11:14*	*1*

Lab Sample ID: LCS 400-548141/1002
Matrix: Water
Analysis Batch: 548141

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	0.0518		mg/L		104	70 - 130		
Toluene			0.0500	0.0504		mg/L		101	70 - 130		
Ethylbenzene			0.0500	0.0504		mg/L		101	70 - 130		
Xylenes, Total			0.100	0.101		mg/L		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*111*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-208478-1 MS
Matrix: Water
Analysis Batch: 548141

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	<0.00038		0.0500	0.0565		mg/L		113	56 - 142		
Toluene	<0.00041		0.0500	0.0545		mg/L		109	65 - 130		
Ethylbenzene	<0.00050		0.0500	0.0567		mg/L		113	58 - 131		
Xylenes, Total	<0.0016		0.100	0.115		mg/L		115	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*105*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-208478-1 MSD
Matrix: Water
Analysis Batch: 548141

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	<0.00038		0.0500	0.0573		mg/L		115	56 - 142	1	30
Toluene	<0.00041		0.0500	0.0539		mg/L		108	65 - 130	1	30
Ethylbenzene	<0.00050		0.0500	0.0552		mg/L		110	58 - 131	3	30

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

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

Lab Sample ID: 400-208478-1 MSD
Matrix: Water
Analysis Batch: 548141

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<0.0016		0.100	0.112		mg/L		112	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*105*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-549144/4
Matrix: Water
Analysis Batch: 549144

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			09/28/21 13:21	1

Lab Sample ID: LCS 400-549144/11
Matrix: Water
Analysis Batch: 549144

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	10.8		mg/L		108	90 - 110

Lab Sample ID: LCSD 400-549144/7
Matrix: Water
Analysis Batch: 549144

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	10.8		mg/L		108	90 - 110	0	15

Lab Sample ID: MRL 400-549144/5
Matrix: Water
Analysis Batch: 549144

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	0.957	J	mg/L		96	50 - 150

Lab Sample ID: 400-208478-1 MS
Matrix: Water
Analysis Batch: 549144

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1500	E	100	1610	E 4	mg/L		91	80 - 120

Lab Sample ID: 400-208478-1 MSD
Matrix: Water
Analysis Batch: 549144

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1500	E	100	1590	E 4	mg/L		67	80 - 120	1	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: 400-208478-8 MS
Matrix: Water
Analysis Batch: 549144

Client Sample ID: ACW-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12000	F1	5000	18600	F1	mg/L		122	80 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-548363/1-A
Matrix: Water
Analysis Batch: 548893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 548363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92		2.0	0.92	mg/L		09/22/21 11:46	09/26/21 03:15	1

Lab Sample ID: LCS 400-548363/2-A
Matrix: Water
Analysis Batch: 548893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 548363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	0.500	<0.92		mg/L		103	80 - 120

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-548679/1
Matrix: Water
Analysis Batch: 548679

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			09/24/21 12:43	1

Lab Sample ID: LCS 400-548679/2
Matrix: Water
Analysis Batch: 548679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Specific Conductance	10.0	10.2		umhos/cm		102	98 - 102

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

Lab Sample ID: MB 400-548194/1
Matrix: Water
Analysis Batch: 548194

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			09/21/21 12:46	1

Lab Sample ID: LCS 400-548194/2
Matrix: Water
Analysis Batch: 548194

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	293	292		mg/L		100	78 - 122

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

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

Lab Sample ID: 400-208478-1 DU
Matrix: Water
Analysis Batch: 548194

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	5000			5230		mg/L				5	5

Lab Chronicle

Client: AECOM
Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Client Sample ID: ACW-13
Lab Sample ID: 400-208478-1
Date Collected: 09/15/21 11:40
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 11:40	BPO	TAL PEN
Total/NA	Analysis	9056		100			549144	09/29/21 08:57	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 03:55	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-208478-2
Date Collected: 09/15/21 10:55
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 16:29	BPO	TAL PEN
Total/NA	Analysis	9056		10			549144	09/29/21 09:22	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 03:59	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: ACW-15
Lab Sample ID: 400-208478-3
Date Collected: 09/15/21 12:25
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 16:55	BPO	TAL PEN
Total/NA	Analysis	9056		10			549144	09/29/21 09:47	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 04:03	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: DOOM WELL
Lab Sample ID: 400-208478-4
Date Collected: 09/15/21 12:45
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 17:21	BPO	TAL PEN
Total/NA	Analysis	9056		2			549144	09/28/21 16:15	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 04:06	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Client Sample ID: FMR OXY WELL
Lab Sample ID: 400-208478-5
Date Collected: 09/15/21 12:10
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 18:08	BPO	TAL PEN
Total/NA	Analysis	9056		10			549144	09/29/21 10:12	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 04:21	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-208478-6
Date Collected: 09/15/21 11:00
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 18:34	BPO	TAL PEN
Total/NA	Analysis	9056		50			549144	09/29/21 10:37	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 04:25	JTW	TAL PEN
Total/NA	Analysis	120.1		1			548679	09/24/21 12:43	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-208478-7
Date Collected: 09/15/21 00:00
Matrix: Water
Date Received: 09/16/21 09:46

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	548141	09/21/21 19:00	BPO	TAL PEN

Client Sample ID: ACW-09
Lab Sample ID: 400-208478-8
Date Collected: 09/15/21 13:05
Matrix: Water
Date Received: 09/16/21 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		500			549144	09/29/21 16:56	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-548141/27
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	548141	09/21/21 11:14	BPO	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Client Sample ID: Method Blank
Lab Sample ID: MB 400-548194/1
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	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-548363/1-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	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 03:15	JTW	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-548679/1
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			548679	09/24/21 12:43	CAC	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-549144/4
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	9056		1			549144	09/28/21 13:21	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-548141/1002
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	548141	09/21/21 09:59	BPO	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-548194/2
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	548194	09/21/21 12:46	VB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-548363/2-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	548363	09/22/21 11:46	KWN	TAL PEN
Total/NA	Analysis	6010B		1			548893	09/26/21 03:19	JTW	TAL PEN

Lab Chronicle

Client: AECOM Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-548679/2

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			548679	09/24/21 12:43	CAC	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-549144/11

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			549144	09/28/21 12:32	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-549144/7

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			549144	09/28/21 12:57	KIS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: MRL 400-549144/5

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			549144	09/28/21 13:46	KIS	TAL PEN

Client Sample ID: ACW-13 — Lab Sample ID: 400-208478-1 MS

Date Collected: 09/15/21 11:40 **Matrix: Water**
Date Received: 09/16/21 09:46

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	548141	09/21/21 12:59	BPO	TAL PEN
Total/NA	Analysis	9056		10			549144	09/28/21 14:36	KIS	TAL PEN

Client Sample ID: ACW-13 — Lab Sample ID: 400-208478-1 MSD

Date Collected: 09/15/21 11:40 **Matrix: Water**
Date Received: 09/16/21 09:46

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	548141	09/21/21 13:25	BPO	TAL PEN
Total/NA	Analysis	9056		10			549144	09/28/21 15:01	KIS	TAL PEN

Client Sample ID: ACW-09 — Lab Sample ID: 400-208478-8 MS

Date Collected: 09/15/21 13:05 **Matrix: Water**
Date Received: 09/16/21 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		500			549144	09/29/21 17:23	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 3Q21

Job ID: 400-208478-1

Client Sample ID: ACW-13

Date Collected: 09/15/21 11:40
Date Received: 09/16/21 09:46

Lab Sample ID: 400-208478-1 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	SM 2540C		1	10 mL	50 mL	548194	09/21/21 12:46	VB	TAL PEN

Laboratory References:

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

Method Summary

Client: AECOM Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
9056	Anions, Ion Chromatography	SW846	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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-208478-1
Project/Site: Jal #4 Gas Plant 3Q21

Laboratory: Eurofins TestAmerica, 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
Arizona	State	AZ0710	01-12-22
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	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-21
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
Washington	State	C915	05-15-22
West Virginia DEP	State	136	09-30-21

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. ~~Scott Ude~~ Wally Gilmore	Scott Duncan + HMI Team	Edwards, Marty P	8729 4719 1576	400-103259-36074.1
Company: ~~Hydrologic Monitoring~~ AECOM	Phone: 281-745-7568	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 1
Address: ~~1654 W Belt N~~ 19219 Katy Frwy, Ste 100	PWSID:	Due Date Requested:		Job #
City: Houston		TAT Requested (days):		
State, Zip: TX, ~~77043~~ 77094		Compliance Project: Δ Yes Δ No		
Phone: ~~713-520-990(Tel) 713-520-680(Fax)~~ 713-542-9523		PO #: WD801914		
Email: wallace.gilmore@aecom.com ~~ude@hmigroundwater.com~~		WO #:		
Project Name: Jal #4 Gas Plant 3QZ1		Project #: 40012867		
Site:		SSOW#:		

Analysis Requested

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	9056_ORGFM_28D - Chloride (N)	6010B - Sodium (D)	8260B - BTEX (A)	2540C - Local Method (TDS) (N)	120.1 - Specific Conductance (N)	Total Number of containers	Special Instructions/Note:
ACW-13	9/15/21	1140	G	Water		✓	✓	✓	✓	✓		
ACW-14		1055		Water		✓	✓	✓	✓	✓		
ACW-15		1225		Water		✓	✓	✓	✓	✓		
Doom well		1245		Water		✓	✓	✓	✓	✓		
Fmr OXY well		1210		Water		✓	✓	✓	✓	✓		
Dup-01		1100		Water		✓	✓	✓	✓	✓		
Trip Blank		—		Water				✓				
ACW-09		1305		water		✓						

400-208478 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
W - pH 4-5
Z - other (specify)
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: | Time: | Method of Shipment: FedEx

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Rudy Mueller	9/15/21 1400	HMI			TA
				9-16-21/966	ETA

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

Cooler Temperature(s) °C and Other Remarks: 1.8°C IR9

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-208478-1

Login Number: 208478 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8°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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Sample Delivery Group: 400-208478-1
Sampling Date: September 15, 2021
Data Reviewer: Katie Abbott **Date Completed:** March 6, 2021
Peer Reviewer: Brian Rothmeyer **Date Completed:** March 9, 2021

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

Field ID	Sample Type	Laboratory ID	Matrix	Analyses		
				VOCs (8260B)	Metals (6010B)	General Chemistry
ACW-13	SA	400-208478-1	Water	X^m	X	X^m
ACW-14	SA	400-208478-2	Water	X	X	X
ACW-15	SA	400-208478-3	Water	X	X	X
DOOM WELL	SA	400-208478-4	Water	X	X	X
FMR OXY WELL	SA	400-208478-5	Water	X	X	X
DUP-01	FD	400-208478-6	Water	X	X	X
TRIP BLANK	TB	400-208478-7	Water	X	---	---
ACW-09	SA	400-208478-8	Water	X	X	X^m

Sample Type: FD – Field Duplicate SA – Sample TB – Trip Blank
X^m – Matrix Spike/Matrix Spike Duplicate --- – Not Analyzed

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

This report contains the final results of the data validation conducted for samples collected in March 2021 at the Jal #4 Gas Plant. The sample results were presented in one data package for the data analyses. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*;*USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020); method requirements, and laboratory criteria.

General Overall Assessment:

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

Case Narrative Comments: Any case narrative comments concerning data qualification were noted in the table below.

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Pensacola in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of ≤6°C. Data qualification was not necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • **Method Blank**	Yes	Target analytes were not detected within the method or calibration blanks.
Matrix Quality Control • **Matrix Spike/ Matrix Spike Duplicate** ACW-13 (VOCs, Chloride) ACW-09 (Chloride) • **Laboratory Duplicate** ACW-13 (Total Dissolved Solids)	No	**Matrix Spike/Matrix Spike Duplicate (MS/MSD)** With the exception listed in Table 1, the MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. An MS/MSD was not performed for sodium. Therefore, there is no measure of accuracy and precision as it pertains to the sample matrix for this analyte. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. **Laboratory Duplicate** The comparison between results of the parent sample and laboratory duplicate met the criteria listed below. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by an RPD meeting laboratory limits. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <1xRL.
Laboratory Performance • **Laboratory Control Sample**	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • **Surrogates (VOCs)**	Yes	Surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • **Trip Blank** TRIP BLANK • **Field Duplicate** ACW-13/DUP-01	Yes	**Trip Blank (Volatile Organic Compounds)** Target analytes were not detected in the trip blank. **Field Duplicate** The following concentration – dependent criteria were used to evaluate field duplicates: • If one or both results were ≤5x the RL, then the absolute difference between the results should agree within ±2xRL. • If both results were ≥5xRL, then the RPD should be ≤30%. The field duplicate pair results satisfied the applicable evaluation

Review Parameter	Criteria Met?	Comments
		criteria.
Method Quantitation Limits Met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

% – Percent
°C – Degrees Celsius
> – Greater Than
≥ – Greater Than or Equal To
≤ – Less Than or Equal To
± – Plus or Minus
COC – Chain of Custody
LCS – Laboratory Control Sample
LCSD – Laboratory Control Sample Duplicate
MS/MSD – Matrix Spike/Matrix Spike Duplicate
RPDs – Relative Percent Differences
RL– Sample Reporting Limit
VOCs – Volatile Organic Compounds

Table 1: Matrix Spike/Matrix Spike Duplicate Outliers and Resultant Data Qualification

Sample	Analyte	MS Recoveries	Qualification
ACW-09	Chloride	122 (80-120)	As the potential bias was considered to be high, the associated chloride result was qualified as estimated (J+ m)

MS – Matrix Spike
Qualifiers
J+ – Estimated, high bias
Reason Code
m – Matrix spike recovery outlier

Attachment A - Summary of Qualification
Kinder Morgan Jal #4 Gas Plant

Data Package	Sample ID	Laboratory ID	Method	Analyte	Result	Flag	Reason Code
400-208478-1	ACW-09	400-208478-8	9056	Chloride	12000 mg/L	J+	m

ID - Identification
J+ - Estimated, high bias
m - Matrix spike recovery outlier
mg/L - Milligrams per Liter

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-212114-1
Client Project/Site: Jal #4 Gas Plant 4Q21

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

Attn: Mr. Wallace Gilmore

Cheyenne Whitmire

Authorized for release by:
12/20/2021 8:06:35 PM

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

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Laboratory Job ID: 400-212114-1

Table of Contents

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Job ID: 400-212114-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-212114-1

Receipt
The samples were received on 12/2/2021 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.2º C, 0.4º C, 0.4º C, 0.7º C, 0.7º C, 0.7º C, 0.8º C and 1.4º C.

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

HPLC/IC
Method 9056: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-558884 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-559054 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: There was a mis-injection of CCV and CCB. Prior and proceeding CCV/CCB of the following samples are within control limits, therefore the data are reported. ACW-02A (400-212114-2), ACW-04 (400-212114-3), ACW-05 (400-212114-4), ACW-06 (400-212114-5), ACW-07 (400-212114-6), ACW-09 (400-212114-7), ACW-10 (400-212114-8), ACW-11 (400-212114-9), ACW-12 (400-212114-10), DUP-01 (400-212114-37), DUP-02 (400-212114-38), DUP-03 (400-212114-39), (LCS 400-559205/52), (LCSD 400-559205/53), (MB 400-559205/50), (MRL 400-559205/51), (400-211962-B-1), (400-211962-B-1 MS), (400-211962-B-1 MSD) and (400-212114-G-3 MS)

Method 9056: The following samples were diluted due to the abundance of non-target analytes: ACW-01 (400-212114-1), ACW-02A (400-212114-2), ACW-04 (400-212114-3), ACW-05 (400-212114-4), ACW-06 (400-212114-5), ACW-07 (400-212114-6), ACW-09 (400-212114-7), ACW-10 (400-212114-8), ACW-11 (400-212114-9), ACW-12 (400-212114-10), ACW-13 (400-212114-11), ACW-14 (400-212114-12), ACW-15 (400-212114-13), ACW-16 (400-212114-14), ACW-17 (400-212114-15), ACW-18 (400-212114-16), ACW-19 (400-212114-17), ACW-20 (400-212114-18), ACW-21 (400-212114-19), ACW-22 (400-212114-20), ACW-23 (400-212114-21), ACW-24 (400-212114-22), ACW-25 (400-212114-23), ACW-26 (400-212114-24), ACW-27 (400-212114-25), ACW-30D (400-212114-29), ACW-32S (400-212114-30), ACW-32D (400-212114-31), ENSR-01 (400-212114-33), FMR OXY WELL (400-212114-35), PTP-01 (400-212114-36), DUP-01 (400-212114-37), DUP-02 (400-212114-38) and DUP-03 (400-212114-39). Elevated reporting limits (RLs) are provided.

Method 9056: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-02A (400-212114-2), ACW-04 (400-212114-3), ACW-05 (400-212114-4), ACW-06 (400-212114-5), ACW-07 (400-212114-6), ACW-09 (400-212114-7), ACW-10 (400-212114-8), ACW-11 (400-212114-9), ACW-12 (400-212114-10), ACW-13 (400-212114-11), ACW-17 (400-212114-15), ACW-18 (400-212114-16), ACW-20 (400-212114-18), ACW-21 (400-212114-19), ACW-22 (400-212114-20), ACW-23 (400-212114-21), ACW-24 (400-212114-22), ACW-26 (400-212114-24), ACW-27 (400-212114-25), ACW-30S (400-212114-28), ACW-30D (400-212114-29), ACW-32S (400-212114-30), ACW-32D (400-212114-31), ENSR-01 (400-212114-33), EPNG-01 (400-212114-34), FMR OXY WELL (400-212114-35), PTP-01 (400-212114-36), DUP-01 (400-212114-37), DUP-02 (400-212114-38), DUP-03 (400-212114-39), (400-212114-G-3 MS), (400-212114-G-28 MS) and (400-212114-G-28 MSD). Elevated reporting limits (RLs) are provided.

Method 9056: The following samples were diluted due to high conductivity: ACW-01 (400-212114-1), ACW-02A (400-212114-2), ACW-04 (400-212114-3), ACW-05 (400-212114-4), ACW-06 (400-212114-5), ACW-07 (400-212114-6), ACW-09 (400-212114-7), ACW-10 (400-212114-8), ACW-11 (400-212114-9), ACW-12 (400-212114-10), ACW-13 (400-212114-11), ACW-14 (400-212114-12), ACW-15 (400-212114-13), ACW-16 (400-212114-14), ACW-17 (400-212114-15), ACW-18 (400-212114-16), ACW-19 (400-212114-17), ACW-20 (400-212114-18), ACW-21 (400-212114-19), ACW-22 (400-212114-20), ACW-23 (400-212114-21), ACW-24 (400-212114-22), ACW-25 (400-212114-23), ACW-26 (400-212114-24), ACW-27 (400-212114-25), (400-212114-G-11 MS) and (400-212114-G-11 MSD), ACW-30D (400-212114-29), ACW-32S (400-212114-30), ACW-32D (400-212114-31), ENSR-01 (400-212114-33), FMR OXY WELL (400-212114-35), PTP-01 (400-212114-36), DUP-01 (400-212114-37), DUP-02 (400-212114-38) and DUP-03 (400-212114-39). Elevated reporting limits (RL) are provided.

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

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Job ID: 400-212114-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

GC Semi VOA
Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 400-558735.

Method RSK-175: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: ACW-02A (400-212114-2), ACW-10 (400-212114-8) and ACW-12 (400-212114-10).

Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 400-558783.

Method RSK-175: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: ACW-02A (400-212114-2).

Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 400-558902.

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-01 (400-212114-1), ACW-02A (400-212114-2), ACW-16 (400-212114-14), ACW-17 (400-212114-15), ACW-16 (400-212114-14), ACW-17 (400-212114-15), ENSR-01 (400-212114-33) and PTP-01 (400-212114-36). Elevated reporting limits (RLs) are provided.

Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 400-559124.

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

Metals
Method 6010B: The serial dilution performed for the following sample associated with batch 400-558747 was outside control limits: (400-212114-H-1-A SD)

Method 6010B: The post digestion spike % recovery for Sodium associated with batch 400-558747 was outside of control limits. The associated sample is: (400-212114-H-1-A PDS).

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-558497 and analytical batch 400-558923 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 6010B: The post digestion spike % recovery for Sodium associated with batch 400-558923 was outside of control limits. The associated sample is: (400-212114-H-21-A PDS).

Method 6010B: The continuing calibration blank (CCB) for analytical batch 400-559111 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010B: The continuing calibration verification (CCV) associated with batch 400-559322 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.

Method 6010B: The method blank for preparation batch 400-558497 and analytical batch 400-558747 contained Magnesium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010B: The following samples were diluted due to the nature of the sample matrix: ACW-01 (400-212114-1), ACW-02A (400-212114-2), ACW-04 (400-212114-3), ACW-05 (400-212114-4), ACW-06 (400-212114-5), ACW-07 (400-212114-6), ACW-09

Case Narrative

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Job ID: 400-212114-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

(400-212114-7), ACW-10 (400-212114-8), ACW-11 (400-212114-9), ACW-12 (400-212114-10), ACW-16 (400-212114-14), ACW-17 (400-212114-15), ACW-18 (400-212114-16), ACW-19 (400-212114-17), ACW-24 (400-212114-22), ACW-25 (400-212114-23), ACW-30D (400-212114-29), (400-212114-H-1-B MS), (400-212114-H-1-C MSD), ENSR-01 (400-212114-33) and DUP-02 (400-212114-38). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-558551 and analytical batch 400-558923 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.

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

General Chemistry
Method 120.1: The followings samples were analyzed at a dilution due to the Matrix Conductivity Threshold (MCT) of the instrument: ACW-18 (400-212114-16), ACW-20 (400-212114-18) and DUP-03 (400-212114-39). The reporting limits have been adjusted accordingly.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-558850 was outside control limits. Sample non-homogeneity is suspected.

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-01 — Lab Sample ID: 400-212114-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.18		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0015		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00080	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Ethane	820		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	240		5.0	1.6	ug/L	1		RSK-175	Total/NA
Methane - DL	5900		5.0	2.5	ug/L	5		RSK-175	Total/NA
Propane - DL	12000		25	8.5	ug/L	5		RSK-175	Total/NA
Chloride	6100		250	30	mg/L	250		9056	Total/NA
Sodium	2800		20	9.2	mg/L	10		6010B	Total/NA
Calcium	51		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	95	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	18000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	11000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-02A — Lab Sample ID: 400-212114-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0059		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0013		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0014		0.0010	0.00050	mg/L	1		8260B	Total/NA
Methane	190		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	440		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	2700		5.0	1.6	ug/L	1		RSK-175	Total/NA
Propane - DL	12000		25	8.5	ug/L	5		RSK-175	Total/NA
Chloride	3000	^2	130	15	mg/L	125		9056	Total/NA
Sodium	2600		20	9.2	mg/L	10		6010B	Total/NA
Calcium	1.7	J	5.0	0.84	mg/L	10		6010B	Total/NA
Specific Conductance	12000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	6400		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-04 — Lab Sample ID: 400-212114-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.025		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00065	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0027		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	200		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	66		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	1700		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	7.4		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	58000	^2	2500	300	mg/L	2500		9056	Total/NA
Sodium	23000		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2500		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	990	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	130000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	120000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-05 — Lab Sample ID: 400-212114-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0097		0.0010	0.00013	mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-05 (Continued) — Lab Sample ID: 400-212114-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0016		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00050	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Methane	43		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	28		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	150		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	2400	^2	130	15	mg/L	125		9056	Total/NA
Sodium	1200		20	9.2	mg/L	10		6010B	Total/NA
Calcium	450		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	67	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	8300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5400		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-06 — Lab Sample ID: 400-212114-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	260		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1100		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	14		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	1700	^2	50	6.0	mg/L	50		9056	Total/NA
Bromide	1.2	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	1300		10	4.6	mg/L	5		6010B	Total/NA
Calcium	5.8		2.5	0.42	mg/L	5		6010B	Total/NA
Magnesium	2.1	J B	2.5	0.60	mg/L	5		6010B	Total/NA
Specific Conductance	6100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3300		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-07 — Lab Sample ID: 400-212114-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	130		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	310		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	2200	^2	130	15	mg/L	125		9056	Total/NA
Sodium	1700		20	9.2	mg/L	10		6010B	Total/NA
Calcium	71		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	33	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	8200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4300		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-09 — Lab Sample ID: 400-212114-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	26		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	56		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	11		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	10000	^2	500	60	mg/L	500		9056	Total/NA
Bromide	6.6	J	25	2.8	mg/L	25		9056	Total/NA
Sodium	3000		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2400		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	730	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	28000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	32000		250	250	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-10 — Lab Sample ID: 400-212114-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0051		0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethane	15		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	14		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	3000	^2	130	15	mg/L	125		9056	Total/NA
Sodium	580		10	4.6	mg/L	5		6010B	Total/NA
Calcium	940		2.5	0.42	mg/L	5		6010B	Total/NA
Magnesium	330	B	2.5	0.60	mg/L	5		6010B	Total/NA
Specific Conductance	9800		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5600		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-11 — Lab Sample ID: 400-212114-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.020		0.0010	0.00013	mg/L	1		8260B	Total/NA
Methane	55		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	22		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	200		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	15		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	2000		100	12	mg/L	100		9056	Total/NA
Bromide	16	J	25	2.8	mg/L	25		9056	Total/NA
Sodium	6300		20	9.2	mg/L	10		6010B	Total/NA
Calcium	3800		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	1300	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	50000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	47000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-12 — Lab Sample ID: 400-212114-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	250		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	23		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	1900	^2	50	6.0	mg/L	50		9056	Total/NA
Bromide	2.4	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	430		10	4.6	mg/L	5		6010B	Total/NA
Calcium	710		2.5	0.42	mg/L	5		6010B	Total/NA
Magnesium	200	B	2.5	0.60	mg/L	5		6010B	Total/NA
Specific Conductance	6500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5000		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-13 — Lab Sample ID: 400-212114-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1500		50	6.0	mg/L	50		9056	Total/NA
Bromide	1.5	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	220		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	460		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	160	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	4700		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4700		25	25	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-14 — Lab Sample ID: 400-212114-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	180		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	110		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	62		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	26	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	1100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	700		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-212114-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		5.0	0.60	mg/L	5		9056	Total/NA
Sodium	100		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	86		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	30	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	1200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	750		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-16 — Lab Sample ID: 400-212114-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0016		0.0010	0.00013	mg/L	1		8260B	Total/NA
Methane	260		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1900		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	100		5.0	1.6	ug/L	1		RSK-175	Total/NA
Propane - DL	190000		100	34	ug/L	20		RSK-175	Total/NA
Chloride	10000		250	30	mg/L	250		9056	Total/NA
Sodium	4100		20	9.2	mg/L	10		6010B	Total/NA
Calcium	1300		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	520	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	27000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	23000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-17 — Lab Sample ID: 400-212114-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00025	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Methane	260		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	2200		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	300		5.0	1.6	ug/L	1		RSK-175	Total/NA
Propane - DL	140000		130	43	ug/L	25		RSK-175	Total/NA
Chloride	5500		130	15	mg/L	125		9056	Total/NA
Sodium	1800		20	9.2	mg/L	10		6010B	Total/NA
Calcium	960		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	470	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	15000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	14000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-18 — Lab Sample ID: 400-212114-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00061	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Methane	150		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	53		1.0	0.75	ug/L	1		RSK-175	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-18 (Continued) — Lab Sample ID: 400-212114-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Propane	1500		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	200		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	49000		1000	120	mg/L	1000		9056	Total/NA
Sodium	20000		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2600		5.0	0.84	mg/L	10		6010B	Total/NA
Magnesium	990	B	5.0	1.2	mg/L	10		6010B	Total/NA
Specific Conductance	120000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	19000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-19 — Lab Sample ID: 400-212114-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.046		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0070		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0079		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0070	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	310		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	620		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	9500		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	1000		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	1400		50	6.0	mg/L	50		9056	Total/NA
Bromide	2.0	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	780		10	4.6	mg/L	5		6010B	Total/NA
Calcium	220		2.5	0.42	mg/L	5		6010B	Total/NA
Magnesium	93	B	2.5	0.60	mg/L	5		6010B	Total/NA
Specific Conductance	5200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3000		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-20 — Lab Sample ID: 400-212114-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.056		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0059		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0055		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	38		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	110		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	2800		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	190		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	89000		2500	300	mg/L	2500		9056	Total/NA
Sodium	2800		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	130		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	56	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	150000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	120000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-21 — Lab Sample ID: 400-212114-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.020		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00052	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00093	J	0.0010	0.00050	mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-21 (Continued) — Lab Sample ID: 400-212114-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	1600		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	290		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	9500		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	900		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	300		10	1.2	mg/L	10		9056	Total/NA
Bromide	0.85	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	140		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	190		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	56	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	1900		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-22 — Lab Sample ID: 400-212114-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	360		10	1.2	mg/L	10		9056	Total/NA
Bromide	1.2	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	310		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	130		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	26	B	0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	2100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1200		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-23 — Lab Sample ID: 400-212114-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	43		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	95		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	650		25	3.0	mg/L	25		9056	Total/NA
Bromide	1.0	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	320		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	220		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	81		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	3100		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2100		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-24 — Lab Sample ID: 400-212114-22

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
Methane	44		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	17		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	560		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	34		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	58000		2500	300	mg/L	2500		9056	Total/NA
Sodium	18000		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2100		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	790		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	120000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	99000		250	250	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-25 — Lab Sample ID: 400-212114-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.025		0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethane	15		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	340		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	11		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	17000		630	75	mg/L	625		9056	Total/NA
Bromide	8.2	J	25	2.8	mg/L	25		9056	Total/NA
Sodium	5500		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2800		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	1100		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	46000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	49000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-26 — Lab Sample ID: 400-212114-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	540		25	3.0	mg/L	25		9056	Total/NA
Bromide	0.79	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	230		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	180		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	20		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	2200		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4200		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-27 — Lab Sample ID: 400-212114-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00025	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Methane	450		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	410		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	1100		25	3.0	mg/L	25		9056	Total/NA
Bromide	0.74	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	310		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	320		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	110		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	4000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4800		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-28 — Lab Sample ID: 400-212114-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	36		1.0	0.12	mg/L	1		9056	Total/NA
Bromide	0.19	J	1.0	0.11	mg/L	1		9056	Total/NA
Sodium	57		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	65		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	8.7		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	590		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	390		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-29 — Lab Sample ID: 400-212114-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	40		1.0	0.12	mg/L	1		9056	Total/NA
Bromide	0.27	J	1.0	0.11	mg/L	1		9056	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-29 (Continued) — Lab Sample ID: 400-212114-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	79		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	50		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	16		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	710		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: ACW-30S — Lab Sample ID: 400-212114-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	120		5.0	0.60	mg/L	5		9056	Total/NA
Bromide	0.28	J	1.0	0.11	mg/L	1		9056	Total/NA
Sodium	67		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	98		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	10		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	840		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	570		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30D — Lab Sample ID: 400-212114-29

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
Methane	44		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	76		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	450		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	16000		630	75	mg/L	625		9056	Total/NA
Bromide	7.1	J	25	2.8	mg/L	25		9056	Total/NA
Sodium	4900		40	18	mg/L	20		6010B	Total/NA
Calcium	2300		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	820		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	41000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	44000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32S — Lab Sample ID: 400-212114-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3.3		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1.1		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	940		25	3.0	mg/L	25		9056	Total/NA
Bromide	1.2	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	260		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	400		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	26		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	3400		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4100		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32D — Lab Sample ID: 400-212114-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	12		1.0	0.50	ug/L	1		RSK-175	Total/NA
Chloride	340		10	1.2	mg/L	10		9056	Total/NA
Sodium	130		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	130		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	53		0.50	0.12	mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-32D (Continued) — Lab Sample ID: 400-212114-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	1600		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2300		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL — Lab Sample ID: 400-212114-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	520		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1.8		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	38		1.0	0.12	mg/L	1		9056	Total/NA
Bromide	0.18	J	1.0	0.11	mg/L	1		9056	Total/NA
Sodium	60		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	51		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	17		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	650		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: ENSR-01 — Lab Sample ID: 400-212114-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.012		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00062	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0027		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0016	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	330		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1800		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	81		5.0	1.6	ug/L	1		RSK-175	Total/NA
Propane - DL	87000		100	34	ug/L	20		RSK-175	Total/NA
Chloride	4900		130	15	mg/L	125		9056	Total/NA
Sodium	2800		20	9.2	mg/L	10		6010B	Total/NA
Calcium	210		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	97		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	15000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	8400		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: EPNG-01 — Lab Sample ID: 400-212114-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	2300		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	4.8		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	110		5.0	0.60	mg/L	5		9056	Total/NA
Bromide	0.53	J	1.0	0.11	mg/L	1		9056	Total/NA
Sodium	93		2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	32		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	25		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	830		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	320		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR OXY WELL — Lab Sample ID: 400-212114-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	120		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	150		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	11		5.0	1.7	ug/L	1		RSK-175	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: FMR OXY WELL (Continued) — Lab Sample ID: 400-212114-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	250		10	1.2	mg/L	10		9056	Total/NA
Bromide	1.0	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	95	^2	2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	140		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	45		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	1500		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1100		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: PTP-01 — Lab Sample ID: 400-212114-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00054	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0010		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0024	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	160		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1200		1.0	0.75	ug/L	1		RSK-175	Total/NA
Butane	2400		5.0	1.6	ug/L	1		RSK-175	Total/NA
Propane - DL	40000		25	8.5	ug/L	5		RSK-175	Total/NA
Chloride	350		10	1.2	mg/L	10		9056	Total/NA
Bromide	1.7	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	140	^2	2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	150		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	56		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	1800		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4800		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-212114-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	7.7		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	1.7		1.0	0.75	ug/L	1		RSK-175	Total/NA
Chloride	940		25	3.0	mg/L	25		9056	Total/NA
Bromide	1.1	J	5.0	0.55	mg/L	5		9056	Total/NA
Sodium	210	^2	2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	400		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	27		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	3300		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2400		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02 — Lab Sample ID: 400-212114-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00049	J	0.0010	0.00041	mg/L	1		8260B	Total/NA
Methane	45		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	83		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	510		5.0	1.7	ug/L	1		RSK-175	Total/NA
Chloride	15000		630	75	mg/L	625		9056	Total/NA
Bromide	12	J	25	2.8	mg/L	25		9056	Total/NA
Sodium	5200		20	9.2	mg/L	10		6010B	Total/NA
Calcium	2400		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	850		0.50	0.12	mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-02 (Continued) — Lab Sample ID: 400-212114-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	410000		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	41000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-03 — Lab Sample ID: 400-212114-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.049		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0073		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0057		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Methane	42		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	130		1.0	0.75	ug/L	1		RSK-175	Total/NA
Propane	3400		5.0	1.7	ug/L	1		RSK-175	Total/NA
Butane	210		5.0	1.6	ug/L	1		RSK-175	Total/NA
Chloride	67000		2500	300	mg/L	2500		9056	Total/NA
Sodium	200	^2	2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	1100		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	500		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	180000		10	10	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	120000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 400-212114-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00029	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	40		1.0	0.12	mg/L	1		9056	Total/NA
Bromide	0.26	J	1.0	0.11	mg/L	1		9056	Total/NA
Sodium	64	^2	2.0	0.92	mg/L	1		6010B	Total/NA
Calcium	50		0.50	0.084	mg/L	1		6010B	Total/NA
Magnesium	16		0.50	0.12	mg/L	1		6010B	Total/NA
Specific Conductance	690		5.0	5.0	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	460		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FB-01 — Lab Sample ID: 400-212114-41

No Detections.

Client Sample ID: FB-02 — Lab Sample ID: 400-212114-42

No Detections.

Client Sample ID: TRIP BLANK-01 — Lab Sample ID: 400-212114-43

No Detections.

Client Sample ID: TRIP BLANK-02 — Lab Sample ID: 400-212114-44

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-212114-1	ACW-01	Water	12/01/21 11:00	12/02/21 09:40
400-212114-2	ACW-02A	Water	12/01/21 12:40	12/02/21 09:40
400-212114-3	ACW-04	Water	12/01/21 13:25	12/02/21 09:40
400-212114-4	ACW-05	Water	12/01/21 13:00	12/02/21 09:40
400-212114-5	ACW-06	Water	12/01/21 09:20	12/02/21 09:40
400-212114-6	ACW-07	Water	12/01/21 13:40	12/02/21 09:40
400-212114-7	ACW-09	Water	12/01/21 12:25	12/02/21 09:40
400-212114-8	ACW-10	Water	12/01/21 12:35	12/02/21 09:40
400-212114-9	ACW-11	Water	12/01/21 09:05	12/02/21 09:40
400-212114-10	ACW-12	Water	12/01/21 11:40	12/02/21 09:40
400-212114-11	ACW-13	Water	12/01/21 10:45	12/02/21 09:40
400-212114-12	ACW-14	Water	12/01/21 11:45	12/02/21 09:40
400-212114-13	ACW-15	Water	12/01/21 12:10	12/02/21 09:40
400-212114-14	ACW-16	Water	12/01/21 08:55	12/02/21 09:40
400-212114-15	ACW-17	Water	12/01/21 11:45	12/02/21 09:40
400-212114-16	ACW-18	Water	12/01/21 11:50	12/02/21 09:40
400-212114-17	ACW-19	Water	12/01/21 10:45	12/02/21 09:40
400-212114-18	ACW-20	Water	12/01/21 09:45	12/02/21 09:40
400-212114-19	ACW-21	Water	12/01/21 08:25	12/02/21 09:40
400-212114-20	ACW-22	Water	12/01/21 11:45	12/02/21 09:40
400-212114-21	ACW-23	Water	12/01/21 10:55	12/02/21 09:40
400-212114-22	ACW-24	Water	12/01/21 08:40	12/02/21 09:40
400-212114-23	ACW-25	Water	12/01/21 12:25	12/02/21 09:40
400-212114-24	ACW-26	Water	12/01/21 09:35	12/02/21 09:40
400-212114-25	ACW-27	Water	12/01/21 08:50	12/02/21 09:40
400-212114-26	ACW-28	Water	12/01/21 11:10	12/02/21 09:40
400-212114-27	ACW-29	Water	12/01/21 10:20	12/02/21 09:40
400-212114-28	ACW-30S	Water	12/01/21 10:10	12/02/21 09:40
400-212114-29	ACW-30D	Water	12/01/21 11:00	12/02/21 09:40
400-212114-30	ACW-32S	Water	12/01/21 08:55	12/02/21 09:40
400-212114-31	ACW-32D	Water	12/01/21 09:45	12/02/21 09:40
400-212114-32	DOOM WELL	Water	12/01/21 09:30	12/02/21 09:40
400-212114-33	ENSR-01	Water	12/01/21 08:55	12/02/21 09:40
400-212114-34	EPNG-01	Water	12/01/21 08:45	12/02/21 09:40
400-212114-35	FMR OXY WELL	Water	12/01/21 10:05	12/02/21 09:40
400-212114-36	PTP-01	Water	12/01/21 12:35	12/02/21 09:40
400-212114-37	DUP-01	Water	12/01/21 08:00	12/02/21 09:40
400-212114-38	DUP-02	Water	12/01/21 09:00	12/02/21 09:40
400-212114-39	DUP-03	Water	12/01/21 10:05	12/02/21 09:40
400-212114-40	DUP-04	Water	12/01/21 11:00	12/02/21 09:40
400-212114-41	FB-01	Water	12/01/21 12:35	12/02/21 09:40
400-212114-42	FB-02	Water	12/01/21 09:30	12/02/21 09:40
400-212114-43	TRIP BLANK-01	Water	12/01/21 00:00	12/02/21 09:40
400-212114-44	TRIP BLANK-02	Water	12/01/21 00:00	12/02/21 09:40

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-01

Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18		0.0010	0.00013	mg/L			12/10/21 10:57	1
Toluene	0.0015		0.0010	0.00041	mg/L			12/10/21 10:57	1
Ethylbenzene	0.00080	J	0.0010	0.00050	mg/L			12/10/21 10:57	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*12/10/21 10:57*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*12/10/21 10:57*	*1*
Toluene-d8 (Surr)	*74*		*64 - 132*		*12/10/21 10:57*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	820		1.0	0.75	ug/L			12/07/21 09:53	1
Butane	240		5.0	1.6	ug/L			12/07/21 09:53	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	5900		5.0	2.5	ug/L			12/07/21 15:38	5
Propane	12000		25	8.5	ug/L			12/07/21 15:38	5

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6100		250	30	mg/L			12/09/21 21:02	250
Bromide	<2.8		25	2.8	mg/L			12/07/21 18:28	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2800		20	9.2	mg/L		12/05/21 14:00	12/07/21 15:31	10
Calcium	51		0.50	0.084	mg/L		12/05/21 14:00	12/06/21 19:40	1
Magnesium	95	B	0.50	0.12	mg/L		12/05/21 14:00	12/06/21 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	18000		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	11000		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-02A
Date Collected: 12/01/21 12:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0059		0.0010	0.00013	mg/L			12/10/21 11:22	1
Toluene	0.0013		0.0010	0.00041	mg/L			12/10/21 11:22	1
Ethylbenzene	0.0014		0.0010	0.00050	mg/L			12/10/21 11:22	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/10/21 11:22*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*12/10/21 11:22*	*1*
Toluene-d8 (Surr)	*64*		*64 - 132*		*12/10/21 11:22*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	190		1.0	0.50	ug/L			12/07/21 10:03	1
Ethane	440		1.0	0.75	ug/L			12/07/21 10:03	1
Butane	2700		5.0	1.6	ug/L			12/07/21 10:03	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propane	12000		25	8.5	ug/L			12/07/21 15:49	5

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3000	^2	130	15	mg/L			12/10/21 06:58	125
Bromide	<2.8		25	2.8	mg/L			12/07/21 18:52	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2600		20	9.2	mg/L		12/05/21 14:00	12/07/21 15:42	10
Calcium	1.7	J	5.0	0.84	mg/L		12/05/21 14:00	12/07/21 15:42	10
Magnesium	<1.2		5.0	1.2	mg/L		12/05/21 14:00	12/07/21 15:42	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	12000		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	6400		50	50	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-04

Date Collected: 12/01/21 13:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.025		0.0010	0.00013	mg/L			12/10/21 11:47	1
Toluene	0.00065	J	0.0010	0.00041	mg/L			12/10/21 11:47	1
Ethylbenzene	0.0027		0.0010	0.00050	mg/L			12/10/21 11:47	1
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L			12/10/21 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*12/10/21 11:47*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*12/10/21 11:47*	*1*
Toluene-d8 (Surr)	*78*		*64 - 132*		*12/10/21 11:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	200		1.0	0.50	ug/L			12/07/21 10:13	1
Ethane	66		1.0	0.75	ug/L			12/07/21 10:13	1
Propane	1700		5.0	1.7	ug/L			12/07/21 10:13	1
Butane	7.4		5.0	1.6	ug/L			12/07/21 10:13	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58000	^2	2500	300	mg/L			12/10/21 08:38	2500
Bromide	<55		500	55	mg/L			12/07/21 19:17	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	23000		20	9.2	mg/L		12/05/21 14:00	12/07/21 15:46	10
Calcium	2500		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 15:46	10
Magnesium	990	B	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 15:46	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	130000		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	120000		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-05

Date Collected: 12/01/21 13:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0097**		0.0010	0.00013	mg/L			12/10/21 13:53	1
Toluene	**0.0016**		0.0010	0.00041	mg/L			12/10/21 13:53	1
Ethylbenzene	**0.00050**	**J**	0.0010	0.00050	mg/L			12/10/21 13:53	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/10/21 13:53*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/10/21 13:53*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*12/10/21 13:53*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**43**		1.0	0.50	ug/L			12/07/21 10:37	1
Ethane	**28**		1.0	0.75	ug/L			12/07/21 10:37	1
Propane	**150**		5.0	1.7	ug/L			12/07/21 10:37	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 10:37	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**	**^2**	130	15	mg/L			12/10/21 07:23	125
Bromide	<2.8		25	2.8	mg/L			12/07/21 20:32	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1200**		20	9.2	mg/L		12/05/21 14:00	12/07/21 15:50	10
Calcium	**450**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 15:50	10
Magnesium	**67**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 15:50	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**8300**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**5400**		50	50	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-06

Date Collected: 12/01/21 09:20
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-5

Matrix: Water

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			12/10/21 14:43	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 14:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 14:43	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*12/10/21 14:43*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*12/10/21 14:43*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*12/10/21 14:43*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**260**		1.0	0.50	ug/L			12/07/21 10:47	1
Ethane	**1100**		1.0	0.75	ug/L			12/07/21 10:47	1
Propane	**14**		5.0	1.7	ug/L			12/07/21 10:47	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 10:47	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1700**	**^2**	50	6.0	mg/L			12/10/21 09:52	50
Bromide	**1.2**	**J**	5.0	0.55	mg/L			12/07/21 20:56	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1300**		10	4.6	mg/L		12/05/21 14:00	12/07/21 15:54	5
Calcium	**5.8**		2.5	0.42	mg/L		12/05/21 14:00	12/07/21 15:54	5
Magnesium	**2.1**	**J B**	2.5	0.60	mg/L		12/05/21 14:00	12/07/21 15:54	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**6100**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**3300**		25	25	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-07

Date Collected: 12/01/21 13:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-6

Matrix: Water

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			12/10/21 15:07	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 15:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 15:07	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/10/21 15:07*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*12/10/21 15:07*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*12/10/21 15:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**130**		1.0	0.50	ug/L			12/07/21 10:57	1
Ethane	**310**		1.0	0.75	ug/L			12/07/21 10:57	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 10:57	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 10:57	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**	**^2**	130	15	mg/L			12/10/21 07:48	125
Bromide	<2.8		25	2.8	mg/L			12/07/21 21:21	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1700**		20	9.2	mg/L		12/05/21 14:00	12/07/21 15:58	10
Calcium	**71**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 15:58	10
Magnesium	**33**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 15:58	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**8200**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**4300**		50	50	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-09
Date Collected: 12/01/21 12:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-7
Matrix: Water

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			12/10/21 15:32	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 15:32	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 15:32	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 119*		*12/10/21 15:32*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/10/21 15:32*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/10/21 15:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**26**		1.0	0.50	ug/L			12/07/21 11:07	1
Ethane	**56**		1.0	0.75	ug/L			12/07/21 11:07	1
Propane	**11**		5.0	1.7	ug/L			12/07/21 11:07	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 11:07	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**	**^2**	500	60	mg/L			12/10/21 10:42	500
Bromide	**6.6**	**J**	25	2.8	mg/L			12/07/21 21:46	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**3000**		20	9.2	mg/L		12/05/21 14:00	12/07/21 16:02	10
Calcium	**2400**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 16:02	10
Magnesium	**730**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 16:02	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**28000**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**32000**		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-10

Date Collected: 12/01/21 12:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0051**		0.0010	0.00013	mg/L			12/10/21 15:58	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 15:58	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 15:58	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/10/21 15:58*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*12/10/21 15:58*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*12/10/21 15:58*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 11:21	1
Ethane	**15**		1.0	0.75	ug/L			12/07/21 11:21	1
Propane	**14**		5.0	1.7	ug/L			12/07/21 11:21	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 11:21	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3000**	**^2**	130	15	mg/L			12/10/21 08:13	125
Bromide	<2.8		25	2.8	mg/L			12/07/21 22:11	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**580**		10	4.6	mg/L		12/05/21 14:00	12/07/21 16:17	5
Calcium	**940**		2.5	0.42	mg/L		12/05/21 14:00	12/07/21 16:17	5
Magnesium	**330**	**B**	2.5	0.60	mg/L		12/05/21 14:00	12/07/21 16:17	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**9800**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**5600**		50	50	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-11
Date Collected: 12/01/21 09:05
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.020		0.0010	0.00013	mg/L			12/10/21 16:23	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 16:23	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 16:23	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 119*		*12/10/21 16:23*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*12/10/21 16:23*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/10/21 16:23*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	55		1.0	0.50	ug/L			12/07/21 11:30	1
Ethane	22		1.0	0.75	ug/L			12/07/21 11:30	1
Propane	200		5.0	1.7	ug/L			12/07/21 11:30	1
Butane	15		5.0	1.6	ug/L			12/07/21 11:30	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		100	12	mg/L			12/10/21 12:46	100
Bromide	16	J	25	2.8	mg/L			12/07/21 22:36	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	6300		20	9.2	mg/L		12/05/21 14:00	12/07/21 16:20	10
Calcium	3800		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 16:20	10
Magnesium	1300	B	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 16:20	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	50000		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	47000		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-12

Date Collected: 12/01/21 11:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-10

Matrix: Water

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			12/10/21 16:49	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 16:49	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 16:49	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/10/21 16:49*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*12/10/21 16:49*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/10/21 16:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**250**		1.0	0.50	ug/L			12/07/21 11:44	1
Ethane	**23**		1.0	0.75	ug/L			12/07/21 11:44	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 11:44	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 11:44	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**	**^2**	50	6.0	mg/L			12/10/21 10:17	50
Bromide	**2.4**	**J**	5.0	0.55	mg/L			12/07/21 23:01	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**430**		10	4.6	mg/L		12/05/21 14:00	12/07/21 16:24	5
Calcium	**710**		2.5	0.42	mg/L		12/05/21 14:00	12/07/21 16:24	5
Magnesium	**200**	**B**	2.5	0.60	mg/L		12/05/21 14:00	12/07/21 16:24	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**6500**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**5000**		25	25	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-13

Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-11

Matrix: Water

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			12/10/21 17:15	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 17:15	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 17:15	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/10/21 17:15*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*12/10/21 17:15*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/10/21 17:15*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 11:55	1
Ethane	<0.75		1.0	0.75	ug/L			12/07/21 11:55	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 11:55	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 11:55	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		50	6.0	mg/L			12/10/21 23:07	50
Bromide	**1.5**	**J**	5.0	0.55	mg/L			12/08/21 03:34	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 16:28	1
Calcium	**460**		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 16:28	1
Magnesium	**160**	**B**	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**4700**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**4700**		25	25	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-14

Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-12

Matrix: Water

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			12/10/21 17:41	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 17:41	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 17:41	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*12/10/21 17:41*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*12/10/21 17:41*	*1*
Toluene-d8 (Surr)	*83*		*64 - 132*		*12/10/21 17:41*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 12:05	1
Ethane	<0.75		1.0	0.75	ug/L			12/07/21 12:05	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 12:05	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 12:05	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		5.0	0.60	mg/L			12/08/21 04:48	5
Bromide	<0.55		5.0	0.55	mg/L			12/08/21 04:48	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 16:32	1
Calcium	**62**		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 16:32	1
Magnesium	**26**	**B**	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1100**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**700**		5.0	5.0	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-15

Date Collected: 12/01/21 12:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-13

Matrix: Water

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			12/10/21 18:08	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 18:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 18:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 119*		*12/10/21 18:08*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*12/10/21 18:08*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*12/10/21 18:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 12:53	1
Ethane	<0.75		1.0	0.75	ug/L			12/07/21 12:53	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 12:53	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 12:53	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		5.0	0.60	mg/L			12/08/21 05:13	5
Bromide	<0.55		5.0	0.55	mg/L			12/08/21 05:13	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**100**		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 16:36	1
Calcium	**86**		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 16:36	1
Magnesium	**30**	**B**	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 16:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1200**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**750**		5.0	5.0	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-16

Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0016**		0.0010	0.00013	mg/L			12/12/21 11:39	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 11:39	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 11:39	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 119*		*12/12/21 11:39*	*1*
Dibromofluoromethane	*88*		*75 - 126*		*12/12/21 11:39*	*1*
Toluene-d8 (Surr)	*115*		*64 - 132*		*12/12/21 11:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**260**		1.0	0.50	ug/L			12/07/21 14:09	1
Ethane	**1900**		1.0	0.75	ug/L			12/07/21 14:09	1
Butane	**100**		5.0	1.6	ug/L			12/07/21 14:09	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propane	**190000**		100	34	ug/L			12/08/21 11:29	20

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		250	30	mg/L			12/09/21 19:48	250
Bromide	<2.8		25	2.8	mg/L			12/08/21 05:38	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**4100**		20	9.2	mg/L		12/05/21 14:00	12/07/21 16:39	10
Calcium	**1300**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 16:39	10
Magnesium	**520**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 16:39	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**27000**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**23000**		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-17

Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00025**	**J**	0.0010	0.00013	mg/L			12/12/21 12:05	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 12:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 12:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 119*		*12/12/21 12:05*	*1*
Dibromofluoromethane	*88*		*75 - 126*		*12/12/21 12:05*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*12/12/21 12:05*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**260**		1.0	0.50	ug/L			12/07/21 14:22	1
Ethane	**2200**		1.0	0.75	ug/L			12/07/21 14:22	1
Butane	**300**		5.0	1.6	ug/L			12/07/21 14:22	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propane	**140000**		130	43	ug/L			12/08/21 17:30	25

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5500**		130	15	mg/L			12/10/21 14:25	125
Bromide	<2.8		25	2.8	mg/L			12/08/21 06:52	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1800**		20	9.2	mg/L		12/05/21 14:00	12/07/21 16:43	10
Calcium	**960**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 16:43	10
Magnesium	**470**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 16:43	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**15000**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**14000**		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-18
Date Collected: 12/01/21 11:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00061**	**J**	0.0010	0.00013	mg/L			12/11/21 08:50	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 08:50	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 08:50	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 119*		*12/11/21 08:50*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/11/21 08:50*	*1*
Toluene-d8 (Surr)	*83*		*64 - 132*		*12/11/21 08:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**150**		1.0	0.50	ug/L			12/07/21 14:32	1
Ethane	**53**		1.0	0.75	ug/L			12/07/21 14:32	1
Propane	**1500**		5.0	1.7	ug/L			12/07/21 14:32	1
Butane	**200**		5.0	1.6	ug/L			12/07/21 14:32	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49000**		1000	120	mg/L			12/10/21 13:11	1000
Bromide	<55		500	55	mg/L			12/08/21 07:17	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**20000**		20	9.2	mg/L		12/05/21 14:00	12/07/21 16:47	10
Calcium	**2600**		5.0	0.84	mg/L		12/05/21 14:00	12/07/21 16:47	10
Magnesium	**990**	**B**	5.0	1.2	mg/L		12/05/21 14:00	12/07/21 16:47	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**120000**		10	10	umhos/cm			12/13/21 10:13	2
Total Dissolved Solids	**19000**		50	50	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-19

Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.046		0.0010	0.00013	mg/L			12/11/21 09:14	1
Toluene	0.0070		0.0010	0.00041	mg/L			12/11/21 09:14	1
Ethylbenzene	0.0079		0.0010	0.00050	mg/L			12/11/21 09:14	1
Xylenes, Total	0.0070	J	0.010	0.0016	mg/L			12/11/21 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/11/21 09:14*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/11/21 09:14*	*1*
Toluene-d8 (Surr)	*79*		*64 - 132*		*12/11/21 09:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	310		1.0	0.50	ug/L			12/07/21 16:40	1
Ethane	620		1.0	0.75	ug/L			12/07/21 16:40	1
Propane	9500		5.0	1.7	ug/L			12/07/21 16:40	1
Butane	1000		5.0	1.6	ug/L			12/07/21 16:40	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	6.0	mg/L			12/09/21 20:13	50
Bromide	2.0	J	5.0	0.55	mg/L			12/08/21 07:42	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	780		10	4.6	mg/L		12/05/21 14:00	12/07/21 16:51	5
Calcium	220		2.5	0.42	mg/L		12/05/21 14:00	12/07/21 16:51	5
Magnesium	93	B	2.5	0.60	mg/L		12/05/21 14:00	12/07/21 16:51	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	5200		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	3000		25	25	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-20

Date Collected: 12/01/21 09:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.056		0.0010	0.00013	mg/L			12/11/21 09:39	1
Toluene	0.0059		0.0010	0.00041	mg/L			12/11/21 09:39	1
Ethylbenzene	0.0055		0.0010	0.00050	mg/L			12/11/21 09:39	1
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L			12/11/21 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 119*		*12/11/21 09:39*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/11/21 09:39*	*1*
Toluene-d8 (Surr)	*85*		*64 - 132*		*12/11/21 09:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	38		1.0	0.50	ug/L			12/07/21 16:52	1
Ethane	110		1.0	0.75	ug/L			12/07/21 16:52	1
Propane	2800		5.0	1.7	ug/L			12/07/21 16:52	1
Butane	190		5.0	1.6	ug/L			12/07/21 16:52	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89000		2500	300	mg/L			12/10/21 14:50	2500
Bromide	<55		500	55	mg/L			12/08/21 08:07	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2800		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 17:06	1
Calcium	130		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 17:06	1
Magnesium	56	B	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	150000		10	10	umhos/cm			12/13/21 10:13	2
Total Dissolved Solids	120000		250	250	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-21

Date Collected: 12/01/21 08:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.020		0.0010	0.00013	mg/L			12/11/21 12:08	1
Toluene	0.00052	J	0.0010	0.00041	mg/L			12/11/21 12:08	1
Ethylbenzene	0.00093	J	0.0010	0.00050	mg/L			12/11/21 12:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 12:08*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*12/11/21 12:08*	*1*
Toluene-d8 (Surr)	*74*		*64 - 132*		*12/11/21 12:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1600		1.0	0.50	ug/L			12/08/21 12:04	1
Ethane	290		1.0	0.75	ug/L			12/08/21 12:04	1
Propane	9500		5.0	1.7	ug/L			12/08/21 12:04	1
Butane	900		5.0	1.6	ug/L			12/08/21 12:04	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		10	1.2	mg/L			12/10/21 13:36	10
Bromide	0.85	J	5.0	0.55	mg/L			12/08/21 08:32	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	140		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 17:10	1
Calcium	190		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 17:10	1
Magnesium	56	B	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1900		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	1300		10	10	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-22

Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-20

Matrix: Water

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			12/11/21 12:34	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 12:34	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 12:34	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 12:34*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*12/11/21 12:34*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*12/11/21 12:34*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 12:16	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 12:16	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 12:16	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 12:16	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		10	1.2	mg/L			12/10/21 14:01	10
Bromide	**1.2**	**J**	5.0	0.55	mg/L			12/08/21 08:57	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**310**		2.0	0.92	mg/L		12/05/21 14:00	12/07/21 17:14	1
Calcium	**130**		0.50	0.084	mg/L		12/05/21 14:00	12/07/21 17:14	1
Magnesium	**26**	**B**	0.50	0.12	mg/L		12/05/21 14:00	12/07/21 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**2100**		5.0	5.0	umhos/cm			12/13/21 10:13	1
Total Dissolved Solids	**1200**		10	10	mg/L			12/06/21 17:41	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-23
Date Collected: 12/01/21 10:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-21
Matrix: Water

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			12/11/21 12:59	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 12:59	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 12:59	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 12:59*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*12/11/21 12:59*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*12/11/21 12:59*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**43**		1.0	0.50	ug/L			12/08/21 12:28	1
Ethane	**95**		1.0	0.75	ug/L			12/08/21 12:28	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 12:28	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 12:28	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**650**		25	3.0	mg/L			12/10/21 15:15	25
Bromide	**1.0**	**J**	5.0	0.55	mg/L			12/08/21 09:21	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**320**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 11:18	1
Calcium	**220**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:02	1
Magnesium	**81**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**3100**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**2100**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-24

Date Collected: 12/01/21 08:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-22

Matrix: Water

Method: 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			12/11/21 13:25	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 13:25	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 13:25	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*12/11/21 13:25*	*1*
Dibromofluoromethane	*85*		*75 - 126*		*12/11/21 13:25*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/11/21 13:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**44**		1.0	0.50	ug/L			12/08/21 12:42	1
Ethane	**17**		1.0	0.75	ug/L			12/08/21 12:42	1
Propane	**560**		5.0	1.7	ug/L			12/08/21 12:42	1
Butane	**34**		5.0	1.6	ug/L			12/08/21 12:42	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58000**		2500	300	mg/L			12/10/21 21:03	2500
Bromide	<55		500	55	mg/L			12/08/21 10:11	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**18000**		20	9.2	mg/L		12/06/21 10:49	12/10/21 11:29	10
Calcium	**2100**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:21	1
Magnesium	**790**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**120000**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**99000**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-25

Date Collected: 12/01/21 12:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.025**		0.0010	0.00013	mg/L			12/11/21 13:51	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 13:51	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 13:51	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 119*		*12/11/21 13:51*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/11/21 13:51*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*12/11/21 13:51*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 12:53	1
Ethane	**15**		1.0	0.75	ug/L			12/08/21 12:53	1
Propane	**340**		5.0	1.7	ug/L			12/08/21 12:53	1
Butane	**11**		5.0	1.6	ug/L			12/08/21 12:53	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17000**		630	75	mg/L			12/09/21 20:37	625
Bromide	**8.2**	**J**	25	2.8	mg/L			12/08/21 10:36	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**5500**		20	9.2	mg/L		12/06/21 10:49	12/10/21 11:33	10
Calcium	**2800**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:25	1
Magnesium	**1100**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**46000**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**49000**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-26

Date Collected: 12/01/21 09:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-24

Matrix: Water

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			12/11/21 14:17	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 14:17	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 14:17	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 14:17*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*12/11/21 14:17*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/11/21 14:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 13:59	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 13:59	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 13:59	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 13:59	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**540**		25	3.0	mg/L			12/10/21 21:52	25
Bromide	**0.79**	**J**	5.0	0.55	mg/L			12/08/21 11:51	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**230**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 11:37	1
Calcium	**180**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:29	1
Magnesium	**20**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**2200**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**4200**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-27

Date Collected: 12/01/21 08:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00025	J	0.0010	0.00013	mg/L			12/11/21 14:43	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 14:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 14:43	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 14:43*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 14:43*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*12/11/21 14:43*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	450		1.0	0.50	ug/L			12/08/21 14:09	1
Ethane	410		1.0	0.75	ug/L			12/08/21 14:09	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 14:09	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 14:09	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		25	3.0	mg/L			12/10/21 21:28	25
Bromide	0.74	J	5.0	0.55	mg/L			12/08/21 12:15	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	310		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 11:41	1
Calcium	320		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:44	1
Magnesium	110		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	4000		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	4800		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-28

Date Collected: 12/01/21 11:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-26

Matrix: Water

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			12/11/21 15:10	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 15:10	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 15:10	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 15:10*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*12/11/21 15:10*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*12/11/21 15:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 14:30	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 14:30	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 14:30	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 14:30	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36**		1.0	0.12	mg/L			12/08/21 12:40	1
Bromide	**0.19**	**J**	1.0	0.11	mg/L			12/08/21 12:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**57**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 12:00	1
Calcium	**65**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:48	1
Magnesium	**8.7**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**590**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**390**		5.0	5.0	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-29

Date Collected: 12/01/21 10:20
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-27

Matrix: Water

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			12/11/21 15:36	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 15:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 15:36	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*12/11/21 15:36*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*12/11/21 15:36*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/11/21 15:36*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 14:57	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 14:57	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 14:57	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 14:57	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40**		1.0	0.12	mg/L			12/09/21 09:01	1
Bromide	**0.27**	**J**	1.0	0.11	mg/L			12/09/21 09:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**79**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 12:03	1
Calcium	**50**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:51	1
Magnesium	**16**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**710**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**440**		5.0	5.0	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-30S

Date Collected: 12/01/21 10:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-28

Matrix: Water

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			12/11/21 16:02	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 16:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 16:02	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*12/11/21 16:02*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 16:02*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*12/11/21 16:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 15:18	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 15:18	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 15:18	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 15:18	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		5.0	0.60	mg/L			12/10/21 19:48	5
Bromide	**0.28**	**J**	1.0	0.11	mg/L			12/09/21 09:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**67**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 12:07	1
Calcium	**98**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:55	1
Magnesium	**10**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**840**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**570**		5.0	5.0	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-30D

Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-29

Matrix: Water

Method: 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			12/11/21 16:28	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 16:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 16:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 119*		*12/11/21 16:28*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*12/11/21 16:28*	*1*
Toluene-d8 (Surr)	*84*		*64 - 132*		*12/11/21 16:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**44**		1.0	0.50	ug/L			12/08/21 15:28	1
Ethane	**76**		1.0	0.75	ug/L			12/08/21 15:28	1
Propane	**450**		5.0	1.7	ug/L			12/08/21 15:28	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 15:28	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16000**		630	75	mg/L			12/11/21 00:46	625
Bromide	**7.1**	**J**	25	2.8	mg/L			12/09/21 09:51	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**4900**		40	18	mg/L		12/06/21 10:49	12/10/21 12:11	20
Calcium	**2300**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 18:59	1
Magnesium	**820**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 18:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**41000**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**44000**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-32S

Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-30

Matrix: Water

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			12/11/21 16:54	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 16:54	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 16:54	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*12/11/21 16:54*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 16:54*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*12/11/21 16:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3.3**		1.0	0.50	ug/L			12/08/21 15:40	1
Ethane	**1.1**		1.0	0.75	ug/L			12/08/21 15:40	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 15:40	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 15:40	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**940**		25	3.0	mg/L			12/11/21 01:11	25
Bromide	**1.2**	**J**	5.0	0.55	mg/L			12/09/21 11:05	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**260**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 12:15	1
Calcium	**400**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:03	1
Magnesium	**26**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**3400**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**4100**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-32D

Date Collected: 12/01/21 09:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-31

Matrix: Water

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			12/11/21 17:20	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 17:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 17:20	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*12/11/21 17:20*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 17:20*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/11/21 17:20*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**12**		1.0	0.50	ug/L			12/08/21 15:56	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 15:56	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 15:56	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 15:56	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**340**		10	1.2	mg/L			12/11/21 01:36	10
Bromide	<0.55		5.0	0.55	mg/L			12/09/21 11:30	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**130**		2.0	0.92	mg/L		12/06/21 10:49	12/10/21 12:18	1
Calcium	**130**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:07	1
Magnesium	**53**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1600**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**2300**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DOOM WELL

Date Collected: 12/01/21 09:30
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-32

Matrix: Water

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			12/11/21 17:47	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 17:47	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 17:47	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 119*		*12/11/21 17:47*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 17:47*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*12/11/21 17:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**520**		1.0	0.50	ug/L			12/08/21 16:06	1
Ethane	**1.8**		1.0	0.75	ug/L			12/08/21 16:06	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 16:06	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 16:06	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38**		1.0	0.12	mg/L			12/09/21 11:55	1
Bromide	**0.18**	**J**	1.0	0.11	mg/L			12/09/21 11:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**60**		2.0	0.92	mg/L		12/06/21 10:49	12/09/21 22:53	1
Calcium	**51**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:10	1
Magnesium	**17**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**650**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**420**		5.0	5.0	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ENSR-01
Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-33
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.012		0.0010	0.00013	mg/L			12/12/21 14:45	1
Toluene	0.00062	J	0.0010	0.00041	mg/L			12/12/21 14:45	1
Ethylbenzene	0.0027		0.0010	0.00050	mg/L			12/12/21 14:45	1
Xylenes, Total	0.0016	J	0.010	0.0016	mg/L			12/12/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 119*		*12/12/21 14:45*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*12/12/21 14:45*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*12/12/21 14:45*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	330		1.0	0.50	ug/L			12/08/21 16:16	1
Ethane	1800		1.0	0.75	ug/L			12/08/21 16:16	1
Butane	81		5.0	1.6	ug/L			12/08/21 16:16	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propane	87000		100	34	ug/L			12/08/21 17:20	20

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4900		130	15	mg/L			12/11/21 04:30	125
Bromide	<2.8		25	2.8	mg/L			12/09/21 18:08	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2800		20	9.2	mg/L		12/06/21 10:49	12/09/21 22:58	10
Calcium	210		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:14	1
Magnesium	97		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	15000		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	8400		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: EPNG-01
Date Collected: 12/01/21 08:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-34
Matrix: Water

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			12/11/21 16:01	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 16:01	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 16:01	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*12/11/21 16:01*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*12/11/21 16:01*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/11/21 16:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2300**		1.0	0.50	ug/L			12/09/21 10:57	1
Ethane	**4.8**		1.0	0.75	ug/L			12/09/21 10:57	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 10:57	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 10:57	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.0	0.60	mg/L			12/11/21 04:55	5
Bromide	**0.53**	**J**	1.0	0.11	mg/L			12/09/21 21:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**93**		2.0	0.92	mg/L		12/06/21 10:49	12/09/21 23:03	1
Calcium	**32**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:18	1
Magnesium	**25**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**830**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**320**		5.0	5.0	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: FMR OXY WELL

Date Collected: 12/01/21 10:05
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-35

Matrix: Water

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			12/11/21 16:28	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 16:28	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 16:28	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*12/11/21 16:28*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*12/11/21 16:28*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*12/11/21 16:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**120**		1.0	0.50	ug/L			12/09/21 11:07	1
Ethane	**150**		1.0	0.75	ug/L			12/09/21 11:07	1
Propane	**11**		5.0	1.7	ug/L			12/09/21 11:07	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 11:07	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10	1.2	mg/L			12/11/21 02:50	10
Bromide	**1.0**	**J**	5.0	0.55	mg/L			12/09/21 21:52	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**95**	**^2**	2.0	0.92	mg/L		12/06/21 10:49	12/08/21 15:41	1
Calcium	**140**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:33	1
Magnesium	**45**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**1500**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**1100**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: PTP-01
Date Collected: 12/01/21 12:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-36
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00054	J	0.0010	0.00013	mg/L			12/12/21 15:12	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 15:12	1
Ethylbenzene	0.0010		0.0010	0.00050	mg/L			12/12/21 15:12	1
Xylenes, Total	0.0024	J	0.010	0.0016	mg/L			12/12/21 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 119*		*12/12/21 15:12*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*12/12/21 15:12*	*1*
Toluene-d8 (Surr)	*115*		*64 - 132*		*12/12/21 15:12*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	160		1.0	0.50	ug/L			12/09/21 11:16	1
Ethane	1200		1.0	0.75	ug/L			12/09/21 11:16	1
Butane	2400		5.0	1.6	ug/L			12/09/21 11:16	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propane	40000		25	8.5	ug/L			12/09/21 15:55	5

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		10	1.2	mg/L			12/11/21 04:05	10
Bromide	1.7	J	5.0	0.55	mg/L			12/09/21 23:07	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	140	^2	2.0	0.92	mg/L		12/06/21 10:49	12/08/21 15:46	1
Calcium	150		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:37	1
Magnesium	56		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1800		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	4800		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-01
Date Collected: 12/01/21 08:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-37
Matrix: Water

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			12/12/21 15:38	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 15:38	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 15:38	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 119*		*12/12/21 15:38*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*12/12/21 15:38*	*1*
Toluene-d8 (Surr)	*115*		*64 - 132*		*12/12/21 15:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**7.7**		1.0	0.50	ug/L			12/09/21 11:28	1
Ethane	**1.7**		1.0	0.75	ug/L			12/09/21 11:28	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 11:28	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 11:28	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**940**		25	3.0	mg/L			12/11/21 05:19	25
Bromide	**1.1**	**J**	5.0	0.55	mg/L			12/10/21 04:54	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**210**	**^2**	2.0	0.92	mg/L		12/06/21 10:49	12/08/21 15:51	1
Calcium	**400**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:41	1
Magnesium	**27**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**3300**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**2400**		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-02
Date Collected: 12/01/21 09:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-38
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0011		0.0010	0.00013	mg/L			12/12/21 16:05	1
Toluene	0.00049	J	0.0010	0.00041	mg/L			12/12/21 16:05	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 16:05	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 119*		*12/12/21 16:05*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*12/12/21 16:05*	*1*
Toluene-d8 (Surr)	*116*		*64 - 132*		*12/12/21 16:05*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	45		1.0	0.50	ug/L			12/09/21 11:37	1
Ethane	83		1.0	0.75	ug/L			12/09/21 11:37	1
Propane	510		5.0	1.7	ug/L			12/09/21 11:37	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 11:37	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		630	75	mg/L			12/11/21 05:44	625
Bromide	12	J	25	2.8	mg/L			12/10/21 05:19	25

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	5200		20	9.2	mg/L		12/06/21 10:49	12/09/21 23:08	10
Calcium	2400		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:45	1
Magnesium	850		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	410000		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	41000		250	250	mg/L			12/07/21 16:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-03

Date Collected: 12/01/21 10:05
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-39

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.049		0.0010	0.00013	mg/L			12/12/21 16:32	1
Toluene	0.0073		0.0010	0.00041	mg/L			12/12/21 16:32	1
Ethylbenzene	0.0057		0.0010	0.00050	mg/L			12/12/21 16:32	1
Xylenes, Total	0.0043	J	0.010	0.0016	mg/L			12/12/21 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 119*		*12/12/21 16:32*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*12/12/21 16:32*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*12/12/21 16:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	42		1.0	0.50	ug/L			12/09/21 11:51	1
Ethane	130		1.0	0.75	ug/L			12/09/21 11:51	1
Propane	3400		5.0	1.7	ug/L			12/09/21 11:51	1
Butane	210		5.0	1.6	ug/L			12/09/21 11:51	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67000		2500	300	mg/L			12/11/21 02:01	2500
Bromide	<55		500	55	mg/L			12/10/21 05:44	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	200	^2	2.0	0.92	mg/L		12/06/21 10:49	12/08/21 16:01	1
Calcium	1100		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:48	1
Magnesium	500		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	180000		10	10	umhos/cm			12/13/21 13:35	2
Total Dissolved Solids	120000		250	250	mg/L			12/07/21 17:26	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-04
Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-40
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00029**	**J**	0.0010	0.00013	mg/L			12/12/21 16:58	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 16:58	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 16:58	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 119*		*12/12/21 16:58*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*12/12/21 16:58*	*1*
Toluene-d8 (Surr)	*117*		*64 - 132*		*12/12/21 16:58*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/09/21 12:01	1
Ethane	<0.75		1.0	0.75	ug/L			12/09/21 12:01	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 12:01	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 12:01	1

Method: 9056 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40**		1.0	0.12	mg/L			12/09/21 18:33	1
Bromide	**0.26**	**J**	1.0	0.11	mg/L			12/09/21 18:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**64**	**^2**	2.0	0.92	mg/L		12/06/21 10:49	12/08/21 16:06	1
Calcium	**50**		0.50	0.084	mg/L		12/06/21 10:49	12/07/21 19:52	1
Magnesium	**16**		0.50	0.12	mg/L		12/06/21 10:49	12/07/21 19:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	**690**		5.0	5.0	umhos/cm			12/13/21 13:35	1
Total Dissolved Solids	**460**		5.0	5.0	mg/L			12/07/21 17:26	1

Client Sample Results

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: FB-01
Lab Sample ID: 400-212114-41
Date Collected: 12/01/21 12:35
Matrix: Water
Date Received: 12/02/21 09:40

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/09/21 12:45	1
Ethane	<0.75		1.0	0.75	ug/L			12/09/21 12:45	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 12:45	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 12:45	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: FB-02
Date Collected: 12/01/21 09:30
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-42
Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/09/21 12:57	1
Ethane	<0.75		1.0	0.75	ug/L			12/09/21 12:57	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 12:57	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 12:57	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: TRIP BLANK-01

Date Collected: 12/01/21 00:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-43

Matrix: Water

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			12/12/21 10:45	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 10:45	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 10:45	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 119*		*12/12/21 10:45*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*12/12/21 10:45*	*1*
Toluene-d8 (Surr)	*116*		*64 - 132*		*12/12/21 10:45*	*1*

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: TRIP BLANK-02

Date Collected: 12/01/21 00:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-44

Matrix: Water

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			12/12/21 11:12	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 11:12	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 11:12	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 119*		*12/12/21 11:12*	*1*
Dibromofluoromethane	*88*		*75 - 126*		*12/12/21 11:12*	*1*
Toluene-d8 (Surr)	*115*		*64 - 132*		*12/12/21 11:12*	*1*

Definitions/Glossary

Client: AECOM Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

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.

HPLC/IC

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
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.
E	Result exceeded calibration range.
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.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
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.
B	Compound was found in the blank and sample.
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.

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)

Definitions/Glossary

Client: AECOM Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 4Q21

Job ID: 400-212114-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-119)	(75-126)	(64-132)
400-212114-1	ACW-01	93	115	74
400-212114-2	ACW-02A	100	107	64
400-212114-3	ACW-04	96	106	78
400-212114-4	ACW-05	101	103	90
400-212114-5	ACW-06	102	102	89
400-212114-6	ACW-07	101	99	87
400-212114-7	ACW-09	103	104	88
400-212114-8	ACW-10	100	101	86
400-212114-9	ACW-11	98	101	88
400-212114-10	ACW-12	101	100	88
400-212114-11	ACW-13	101	102	88
400-212114-12	ACW-14	102	101	83
400-212114-13	ACW-15	99	99	90
400-212114-14	ACW-16	109	88	115
400-212114-14 MS	ACW-16	109	89	115
400-212114-14 MSD	ACW-16	109	89	115
400-212114-15	ACW-17	109	88	114
400-212114-16	ACW-18	97	104	83
400-212114-16 MS	ACW-18	98	97	80
400-212114-16 MSD	ACW-18	98	98	80
400-212114-17	ACW-19	101	104	79
400-212114-18	ACW-20	98	104	85
400-212114-19	ACW-21	100	101	74
400-212114-20	ACW-22	100	97	87
400-212114-21	ACW-23	100	100	86
400-212114-22	ACW-24	92	85	88
400-212114-23	ACW-25	99	104	89
400-212114-24	ACW-26	100	102	88
400-212114-25	ACW-27	100	103	87
400-212114-26	ACW-28	100	102	89
400-212114-27	ACW-29	100	104	88
400-212114-28	ACW-30S	101	103	90
400-212114-29	ACW-30D	99	102	84
400-212114-30	ACW-32S	96	103	89
400-212114-31	ACW-32D	102	103	88
400-212114-32	DOOM WELL	98	103	87
400-212114-33	ENSR-01	107	87	114
400-212114-34	EPNG-01	93	100	100
400-212114-35	FMR OXY WELL	89	99	101
400-212114-36	PTP-01	110	87	115
400-212114-37	DUP-01	110	87	115
400-212114-38	DUP-02	109	89	116
400-212114-39	DUP-03	110	90	112
400-212114-40	DUP-04	109	87	117
400-212114-43	TRIP BLANK-01	112	87	116
400-212114-44	TRIP BLANK-02	110	88	115
LCS 400-559274/1002	Lab Control Sample	100	99	85
LCS 400-559458/1002	Lab Control Sample	103	98	89
LCS 400-559461/1002	Lab Control Sample	94	95	101

Surrogate Summary

Client: AECOM Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-119)	(75-126)	(64-132)
LCS 400-559547/1002	Lab Control Sample	109	88	116
MB 400-559274/4	Method Blank	98	101	87
MB 400-559458/4	Method Blank	96	103	88
MB 400-559461/4	Method Blank	89	98	100
MB 400-559547/4	Method Blank	109	87	116

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

GC/MS VOA

Analysis Batch: 559274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	8260B	
400-212114-2	ACW-02A	Total/NA	Water	8260B	
400-212114-3	ACW-04	Total/NA	Water	8260B	
400-212114-4	ACW-05	Total/NA	Water	8260B	
400-212114-5	ACW-06	Total/NA	Water	8260B	
400-212114-6	ACW-07	Total/NA	Water	8260B	
400-212114-7	ACW-09	Total/NA	Water	8260B	
400-212114-8	ACW-10	Total/NA	Water	8260B	
400-212114-9	ACW-11	Total/NA	Water	8260B	
400-212114-10	ACW-12	Total/NA	Water	8260B	
400-212114-11	ACW-13	Total/NA	Water	8260B	
400-212114-12	ACW-14	Total/NA	Water	8260B	
400-212114-13	ACW-15	Total/NA	Water	8260B	
MB 400-559274/4	Method Blank	Total/NA	Water	8260B	
LCS 400-559274/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 559458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-16	ACW-18	Total/NA	Water	8260B	
400-212114-17	ACW-19	Total/NA	Water	8260B	
400-212114-18	ACW-20	Total/NA	Water	8260B	
400-212114-19	ACW-21	Total/NA	Water	8260B	
400-212114-20	ACW-22	Total/NA	Water	8260B	
400-212114-21	ACW-23	Total/NA	Water	8260B	
400-212114-22	ACW-24	Total/NA	Water	8260B	
400-212114-23	ACW-25	Total/NA	Water	8260B	
400-212114-24	ACW-26	Total/NA	Water	8260B	
400-212114-25	ACW-27	Total/NA	Water	8260B	
400-212114-26	ACW-28	Total/NA	Water	8260B	
400-212114-27	ACW-29	Total/NA	Water	8260B	
400-212114-28	ACW-30S	Total/NA	Water	8260B	
400-212114-29	ACW-30D	Total/NA	Water	8260B	
400-212114-30	ACW-32S	Total/NA	Water	8260B	
400-212114-31	ACW-32D	Total/NA	Water	8260B	
400-212114-32	DOOM WELL	Total/NA	Water	8260B	
MB 400-559458/4	Method Blank	Total/NA	Water	8260B	
LCS 400-559458/1002	Lab Control Sample	Total/NA	Water	8260B	
400-212114-16 MS	ACW-18	Total/NA	Water	8260B	
400-212114-16 MSD	ACW-18	Total/NA	Water	8260B	

Analysis Batch: 559461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-34	EPNG-01	Total/NA	Water	8260B	
400-212114-35	FMR OXY WELL	Total/NA	Water	8260B	
MB 400-559461/4	Method Blank	Total/NA	Water	8260B	
LCS 400-559461/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 559547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-14	ACW-16	Total/NA	Water	8260B	
400-212114-15	ACW-17	Total/NA	Water	8260B	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

GC/MS VOA (Continued)

Analysis Batch: 559547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-33	ENSR-01	Total/NA	Water	8260B	
400-212114-36	PTP-01	Total/NA	Water	8260B	
400-212114-37	DUP-01	Total/NA	Water	8260B	
400-212114-38	DUP-02	Total/NA	Water	8260B	
400-212114-39	DUP-03	Total/NA	Water	8260B	
400-212114-40	DUP-04	Total/NA	Water	8260B	
400-212114-43	TRIP BLANK-01	Total/NA	Water	8260B	
400-212114-44	TRIP BLANK-02	Total/NA	Water	8260B	
MB 400-559547/4	Method Blank	Total/NA	Water	8260B	
LCS 400-559547/1002	Lab Control Sample	Total/NA	Water	8260B	
400-212114-14 MS	ACW-16	Total/NA	Water	8260B	
400-212114-14 MSD	ACW-16	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 558735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	RSK-175	
400-212114-2	ACW-02A	Total/NA	Water	RSK-175	
400-212114-3	ACW-04	Total/NA	Water	RSK-175	
400-212114-4	ACW-05	Total/NA	Water	RSK-175	
400-212114-5	ACW-06	Total/NA	Water	RSK-175	
400-212114-6	ACW-07	Total/NA	Water	RSK-175	
400-212114-7	ACW-09	Total/NA	Water	RSK-175	
400-212114-8	ACW-10	Total/NA	Water	RSK-175	
400-212114-9	ACW-11	Total/NA	Water	RSK-175	
400-212114-10	ACW-12	Total/NA	Water	RSK-175	
400-212114-11	ACW-13	Total/NA	Water	RSK-175	
400-212114-12	ACW-14	Total/NA	Water	RSK-175	
400-212114-13	ACW-15	Total/NA	Water	RSK-175	
400-212114-14	ACW-16	Total/NA	Water	RSK-175	
400-212114-15	ACW-17	Total/NA	Water	RSK-175	
400-212114-16	ACW-18	Total/NA	Water	RSK-175	
MB 400-558735/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-558735/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-558735/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 558783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1 - DL	ACW-01	Total/NA	Water	RSK-175	
400-212114-2 - DL	ACW-02A	Total/NA	Water	RSK-175	
400-212114-17	ACW-19	Total/NA	Water	RSK-175	
400-212114-18	ACW-20	Total/NA	Water	RSK-175	
MB 400-558783/29	Method Blank	Total/NA	Water	RSK-175	
LCS 400-558783/30	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-558783/31	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 558902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-14 - DL	ACW-16	Total/NA	Water	RSK-175	
400-212114-15 - DL	ACW-17	Total/NA	Water	RSK-175	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

GC VOA (Continued)

Analysis Batch: 558902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-19	ACW-21	Total/NA	Water	RSK-175	
400-212114-20	ACW-22	Total/NA	Water	RSK-175	
400-212114-21	ACW-23	Total/NA	Water	RSK-175	
400-212114-22	ACW-24	Total/NA	Water	RSK-175	
400-212114-23	ACW-25	Total/NA	Water	RSK-175	
400-212114-24	ACW-26	Total/NA	Water	RSK-175	
400-212114-25	ACW-27	Total/NA	Water	RSK-175	
400-212114-26	ACW-28	Total/NA	Water	RSK-175	
400-212114-27	ACW-29	Total/NA	Water	RSK-175	
400-212114-28	ACW-30S	Total/NA	Water	RSK-175	
400-212114-29	ACW-30D	Total/NA	Water	RSK-175	
400-212114-30	ACW-32S	Total/NA	Water	RSK-175	
400-212114-31	ACW-32D	Total/NA	Water	RSK-175	
400-212114-32	DOOM WELL	Total/NA	Water	RSK-175	
400-212114-33	ENSR-01	Total/NA	Water	RSK-175	
400-212114-33 - DL	ENSR-01	Total/NA	Water	RSK-175	
MB 400-558902/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-558902/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-558902/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 559124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-34	EPNG-01	Total/NA	Water	RSK-175	
400-212114-35	FMR OXY WELL	Total/NA	Water	RSK-175	
400-212114-36	PTP-01	Total/NA	Water	RSK-175	
400-212114-36 - DL	PTP-01	Total/NA	Water	RSK-175	
400-212114-37	DUP-01	Total/NA	Water	RSK-175	
400-212114-38	DUP-02	Total/NA	Water	RSK-175	
400-212114-39	DUP-03	Total/NA	Water	RSK-175	
400-212114-40	DUP-04	Total/NA	Water	RSK-175	
400-212114-41	FB-01	Total/NA	Water	RSK-175	
400-212114-42	FB-02	Total/NA	Water	RSK-175	
MB 400-559124/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-559124/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-559124/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 558884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	9056	
400-212114-2	ACW-02A	Total/NA	Water	9056	
400-212114-3	ACW-04	Total/NA	Water	9056	
400-212114-4	ACW-05	Total/NA	Water	9056	
400-212114-5	ACW-06	Total/NA	Water	9056	
400-212114-6	ACW-07	Total/NA	Water	9056	
400-212114-7	ACW-09	Total/NA	Water	9056	
400-212114-8	ACW-10	Total/NA	Water	9056	
400-212114-9	ACW-11	Total/NA	Water	9056	
400-212114-10	ACW-12	Total/NA	Water	9056	
400-212114-11	ACW-13	Total/NA	Water	9056	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

HPLC/IC (Continued)

Analysis Batch: 558884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-12	ACW-14	Total/NA	Water	9056	
400-212114-13	ACW-15	Total/NA	Water	9056	
400-212114-14	ACW-16	Total/NA	Water	9056	
400-212114-15	ACW-17	Total/NA	Water	9056	
400-212114-16	ACW-18	Total/NA	Water	9056	
400-212114-17	ACW-19	Total/NA	Water	9056	
400-212114-18	ACW-20	Total/NA	Water	9056	
400-212114-19	ACW-21	Total/NA	Water	9056	
400-212114-20	ACW-22	Total/NA	Water	9056	
400-212114-21	ACW-23	Total/NA	Water	9056	
400-212114-22	ACW-24	Total/NA	Water	9056	
400-212114-23	ACW-25	Total/NA	Water	9056	
400-212114-24	ACW-26	Total/NA	Water	9056	
400-212114-25	ACW-27	Total/NA	Water	9056	
400-212114-26	ACW-28	Total/NA	Water	9056	
MB 400-558884/4	Method Blank	Total/NA	Water	9056	
MB 400-558884/95	Method Blank	Total/NA	Water	9056	
LCS 400-558884/6	Lab Control Sample	Total/NA	Water	9056	
LCS 400-558884/97	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-558884/7	Lab Control Sample Dup	Total/NA	Water	9056	
LCSD 400-558884/98	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-558884/5	Lab Control Sample	Total/NA	Water	9056	
MRL 400-558884/96	Lab Control Sample	Total/NA	Water	9056	
400-212114-11 MS	ACW-13	Total/NA	Water	9056	
400-212114-11 MSD	ACW-13	Total/NA	Water	9056	

Analysis Batch: 559054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	9056	
400-212114-14	ACW-16	Total/NA	Water	9056	
400-212114-17	ACW-19	Total/NA	Water	9056	
400-212114-23	ACW-25	Total/NA	Water	9056	
400-212114-27	ACW-29	Total/NA	Water	9056	
400-212114-28	ACW-30S	Total/NA	Water	9056	
400-212114-29	ACW-30D	Total/NA	Water	9056	
400-212114-30	ACW-32S	Total/NA	Water	9056	
400-212114-31	ACW-32D	Total/NA	Water	9056	
400-212114-32	DOOM WELL	Total/NA	Water	9056	
400-212114-33	ENSR-01	Total/NA	Water	9056	
400-212114-34	EPNG-01	Total/NA	Water	9056	
400-212114-35	FMR OXY WELL	Total/NA	Water	9056	
400-212114-36	PTP-01	Total/NA	Water	9056	
400-212114-40	DUP-04	Total/NA	Water	9056	
MB 400-559054/4	Method Blank	Total/NA	Water	9056	
LCS 400-559054/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-559054/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-559054/5	Lab Control Sample	Total/NA	Water	9056	

Analysis Batch: 559205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-2	ACW-02A	Total/NA	Water	9056	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

HPLC/IC (Continued)

Analysis Batch: 559205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-3	ACW-04	Total/NA	Water	9056	
400-212114-4	ACW-05	Total/NA	Water	9056	
400-212114-5	ACW-06	Total/NA	Water	9056	
400-212114-6	ACW-07	Total/NA	Water	9056	
400-212114-7	ACW-09	Total/NA	Water	9056	
400-212114-8	ACW-10	Total/NA	Water	9056	
400-212114-9	ACW-11	Total/NA	Water	9056	
400-212114-10	ACW-12	Total/NA	Water	9056	
400-212114-15	ACW-17	Total/NA	Water	9056	
400-212114-16	ACW-18	Total/NA	Water	9056	
400-212114-18	ACW-20	Total/NA	Water	9056	
400-212114-19	ACW-21	Total/NA	Water	9056	
400-212114-20	ACW-22	Total/NA	Water	9056	
400-212114-21	ACW-23	Total/NA	Water	9056	
400-212114-37	DUP-01	Total/NA	Water	9056	
400-212114-38	DUP-02	Total/NA	Water	9056	
400-212114-39	DUP-03	Total/NA	Water	9056	
MB 400-559205/50	Method Blank	Total/NA	Water	9056	
LCS 400-559205/52	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-559205/53	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-559205/51	Lab Control Sample	Total/NA	Water	9056	
400-212114-3 MS	ACW-04	Total/NA	Water	9056	

Analysis Batch: 559417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-11	ACW-13	Total/NA	Water	9056	
400-212114-22	ACW-24	Total/NA	Water	9056	
400-212114-24	ACW-26	Total/NA	Water	9056	
400-212114-25	ACW-27	Total/NA	Water	9056	
400-212114-28	ACW-30S	Total/NA	Water	9056	
400-212114-29	ACW-30D	Total/NA	Water	9056	
400-212114-30	ACW-32S	Total/NA	Water	9056	
400-212114-31	ACW-32D	Total/NA	Water	9056	
400-212114-33	ENSR-01	Total/NA	Water	9056	
400-212114-34	EPNG-01	Total/NA	Water	9056	
400-212114-35	FMR OXY WELL	Total/NA	Water	9056	
400-212114-36	PTP-01	Total/NA	Water	9056	
400-212114-37	DUP-01	Total/NA	Water	9056	
400-212114-38	DUP-02	Total/NA	Water	9056	
400-212114-39	DUP-03	Total/NA	Water	9056	
MB 400-559417/4	Method Blank	Total/NA	Water	9056	
LCS 400-559417/6	Lab Control Sample	Total/NA	Water	9056	
LCSD 400-559417/7	Lab Control Sample Dup	Total/NA	Water	9056	
MRL 400-559417/5	Lab Control Sample	Total/NA	Water	9056	
400-212114-28 MS	ACW-30S	Total/NA	Water	9056	
400-212114-28 MSD	ACW-30S	Total/NA	Water	9056	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Metals

Prep Batch: 558497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	3010A	
400-212114-2	ACW-02A	Total/NA	Water	3010A	
400-212114-3	ACW-04	Total/NA	Water	3010A	
400-212114-4	ACW-05	Total/NA	Water	3010A	
400-212114-5	ACW-06	Total/NA	Water	3010A	
400-212114-6	ACW-07	Total/NA	Water	3010A	
400-212114-7	ACW-09	Total/NA	Water	3010A	
400-212114-8	ACW-10	Total/NA	Water	3010A	
400-212114-9	ACW-11	Total/NA	Water	3010A	
400-212114-10	ACW-12	Total/NA	Water	3010A	
400-212114-11	ACW-13	Total/NA	Water	3010A	
400-212114-12	ACW-14	Total/NA	Water	3010A	
400-212114-13	ACW-15	Total/NA	Water	3010A	
400-212114-14	ACW-16	Total/NA	Water	3010A	
400-212114-15	ACW-17	Total/NA	Water	3010A	
400-212114-16	ACW-18	Total/NA	Water	3010A	
400-212114-17	ACW-19	Total/NA	Water	3010A	
400-212114-18	ACW-20	Total/NA	Water	3010A	
400-212114-19	ACW-21	Total/NA	Water	3010A	
400-212114-20	ACW-22	Total/NA	Water	3010A	
MB 400-558497/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-558497/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-212114-1 MS	ACW-01	Total/NA	Water	3010A	
400-212114-1 MSD	ACW-01	Total/NA	Water	3010A	

Prep Batch: 558551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-21	ACW-23	Total/NA	Water	3010A	
400-212114-22	ACW-24	Total/NA	Water	3010A	
400-212114-23	ACW-25	Total/NA	Water	3010A	
400-212114-24	ACW-26	Total/NA	Water	3010A	
400-212114-25	ACW-27	Total/NA	Water	3010A	
400-212114-26	ACW-28	Total/NA	Water	3010A	
400-212114-27	ACW-29	Total/NA	Water	3010A	
400-212114-28	ACW-30S	Total/NA	Water	3010A	
400-212114-29	ACW-30D	Total/NA	Water	3010A	
400-212114-30	ACW-32S	Total/NA	Water	3010A	
400-212114-31	ACW-32D	Total/NA	Water	3010A	
400-212114-32	DOOM WELL	Total/NA	Water	3010A	
400-212114-33	ENSR-01	Total/NA	Water	3010A	
400-212114-34	EPNG-01	Total/NA	Water	3010A	
400-212114-35	FMR OXY WELL	Total/NA	Water	3010A	
400-212114-36	PTP-01	Total/NA	Water	3010A	
400-212114-37	DUP-01	Total/NA	Water	3010A	
400-212114-38	DUP-02	Total/NA	Water	3010A	
400-212114-39	DUP-03	Total/NA	Water	3010A	
400-212114-40	DUP-04	Total/NA	Water	3010A	
MB 400-558551/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-558551/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-212114-21 MS	ACW-23	Total/NA	Water	3010A	
400-212114-21 MSD	ACW-23	Total/NA	Water	3010A	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Metals

Analysis Batch: 558747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	6010B	558497
MB 400-558497/1-A	Method Blank	Total/NA	Water	6010B	558497
LCS 400-558497/2-A	Lab Control Sample	Total/NA	Water	6010B	558497
400-212114-1 MS	ACW-01	Total/NA	Water	6010B	558497
400-212114-1 MSD	ACW-01	Total/NA	Water	6010B	558497

Analysis Batch: 558923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	6010B	558497
400-212114-2	ACW-02A	Total/NA	Water	6010B	558497
400-212114-3	ACW-04	Total/NA	Water	6010B	558497
400-212114-4	ACW-05	Total/NA	Water	6010B	558497
400-212114-5	ACW-06	Total/NA	Water	6010B	558497
400-212114-6	ACW-07	Total/NA	Water	6010B	558497
400-212114-7	ACW-09	Total/NA	Water	6010B	558497
400-212114-8	ACW-10	Total/NA	Water	6010B	558497
400-212114-9	ACW-11	Total/NA	Water	6010B	558497
400-212114-10	ACW-12	Total/NA	Water	6010B	558497
400-212114-11	ACW-13	Total/NA	Water	6010B	558497
400-212114-12	ACW-14	Total/NA	Water	6010B	558497
400-212114-13	ACW-15	Total/NA	Water	6010B	558497
400-212114-14	ACW-16	Total/NA	Water	6010B	558497
400-212114-15	ACW-17	Total/NA	Water	6010B	558497
400-212114-16	ACW-18	Total/NA	Water	6010B	558497
400-212114-17	ACW-19	Total/NA	Water	6010B	558497
400-212114-18	ACW-20	Total/NA	Water	6010B	558497
400-212114-19	ACW-21	Total/NA	Water	6010B	558497
400-212114-20	ACW-22	Total/NA	Water	6010B	558497
400-212114-21	ACW-23	Total/NA	Water	6010B	558551
400-212114-22	ACW-24	Total/NA	Water	6010B	558551
400-212114-23	ACW-25	Total/NA	Water	6010B	558551
400-212114-24	ACW-26	Total/NA	Water	6010B	558551
400-212114-25	ACW-27	Total/NA	Water	6010B	558551
400-212114-26	ACW-28	Total/NA	Water	6010B	558551
400-212114-27	ACW-29	Total/NA	Water	6010B	558551
400-212114-28	ACW-30S	Total/NA	Water	6010B	558551
400-212114-29	ACW-30D	Total/NA	Water	6010B	558551
400-212114-30	ACW-32S	Total/NA	Water	6010B	558551
400-212114-31	ACW-32D	Total/NA	Water	6010B	558551
400-212114-32	DOOM WELL	Total/NA	Water	6010B	558551
400-212114-33	ENSR-01	Total/NA	Water	6010B	558551
400-212114-34	EPNG-01	Total/NA	Water	6010B	558551
400-212114-35	FMR OXY WELL	Total/NA	Water	6010B	558551
400-212114-36	PTP-01	Total/NA	Water	6010B	558551
400-212114-37	DUP-01	Total/NA	Water	6010B	558551
400-212114-38	DUP-02	Total/NA	Water	6010B	558551
400-212114-39	DUP-03	Total/NA	Water	6010B	558551
400-212114-40	DUP-04	Total/NA	Water	6010B	558551
LCS 400-558497/2-A	Lab Control Sample	Total/NA	Water	6010B	558497
400-212114-1 MS	ACW-01	Total/NA	Water	6010B	558497
400-212114-1 MSD	ACW-01	Total/NA	Water	6010B	558497

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Metals (Continued)

Analysis Batch: 558923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-21 MS	ACW-23	Total/NA	Water	6010B	558551
400-212114-21 MSD	ACW-23	Total/NA	Water	6010B	558551

Analysis Batch: 559111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-35	FMR OXY WELL	Total/NA	Water	6010B	558551
400-212114-36	PTP-01	Total/NA	Water	6010B	558551
400-212114-37	DUP-01	Total/NA	Water	6010B	558551
400-212114-39	DUP-03	Total/NA	Water	6010B	558551
400-212114-40	DUP-04	Total/NA	Water	6010B	558551

Analysis Batch: 559322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-32	DOOM WELL	Total/NA	Water	6010B	558551
400-212114-33	ENSR-01	Total/NA	Water	6010B	558551
400-212114-34	EPNG-01	Total/NA	Water	6010B	558551
400-212114-38	DUP-02	Total/NA	Water	6010B	558551
MB 400-558551/1-A	Method Blank	Total/NA	Water	6010B	558551
LCS 400-558551/2-A	Lab Control Sample	Total/NA	Water	6010B	558551
400-212114-21 MS	ACW-23	Total/NA	Water	6010B	558551

Analysis Batch: 559344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-21	ACW-23	Total/NA	Water	6010B	558551
400-212114-22	ACW-24	Total/NA	Water	6010B	558551
400-212114-23	ACW-25	Total/NA	Water	6010B	558551
400-212114-24	ACW-26	Total/NA	Water	6010B	558551
400-212114-25	ACW-27	Total/NA	Water	6010B	558551
400-212114-26	ACW-28	Total/NA	Water	6010B	558551
400-212114-27	ACW-29	Total/NA	Water	6010B	558551
400-212114-28	ACW-30S	Total/NA	Water	6010B	558551
400-212114-29	ACW-30D	Total/NA	Water	6010B	558551
400-212114-30	ACW-32S	Total/NA	Water	6010B	558551
400-212114-31	ACW-32D	Total/NA	Water	6010B	558551
LCS 400-558551/2-A	Lab Control Sample	Total/NA	Water	6010B	558551
400-212114-21 MS	ACW-23	Total/NA	Water	6010B	558551
400-212114-21 MSD	ACW-23	Total/NA	Water	6010B	558551

General Chemistry

Analysis Batch: 558707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	SM 2540C	
400-212114-2	ACW-02A	Total/NA	Water	SM 2540C	
400-212114-3	ACW-04	Total/NA	Water	SM 2540C	
400-212114-4	ACW-05	Total/NA	Water	SM 2540C	
400-212114-5	ACW-06	Total/NA	Water	SM 2540C	
400-212114-6	ACW-07	Total/NA	Water	SM 2540C	
400-212114-7	ACW-09	Total/NA	Water	SM 2540C	
400-212114-8	ACW-10	Total/NA	Water	SM 2540C	
400-212114-9	ACW-11	Total/NA	Water	SM 2540C	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

General Chemistry (Continued)

Analysis Batch: 558707 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-10	ACW-12	Total/NA	Water	SM 2540C	
400-212114-11	ACW-13	Total/NA	Water	SM 2540C	
400-212114-12	ACW-14	Total/NA	Water	SM 2540C	
400-212114-13	ACW-15	Total/NA	Water	SM 2540C	
400-212114-14	ACW-16	Total/NA	Water	SM 2540C	
400-212114-15	ACW-17	Total/NA	Water	SM 2540C	
400-212114-16	ACW-18	Total/NA	Water	SM 2540C	
400-212114-17	ACW-19	Total/NA	Water	SM 2540C	
400-212114-18	ACW-20	Total/NA	Water	SM 2540C	
400-212114-19	ACW-21	Total/NA	Water	SM 2540C	
400-212114-20	ACW-22	Total/NA	Water	SM 2540C	
MB 400-558707/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-558707/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-212114-1 DU	ACW-01	Total/NA	Water	SM 2540C	
400-212114-11 DU	ACW-13	Total/NA	Water	SM 2540C	

Analysis Batch: 558850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-21	ACW-23	Total/NA	Water	SM 2540C	
400-212114-22	ACW-24	Total/NA	Water	SM 2540C	
400-212114-23	ACW-25	Total/NA	Water	SM 2540C	
400-212114-24	ACW-26	Total/NA	Water	SM 2540C	
400-212114-25	ACW-27	Total/NA	Water	SM 2540C	
400-212114-26	ACW-28	Total/NA	Water	SM 2540C	
400-212114-27	ACW-29	Total/NA	Water	SM 2540C	
400-212114-28	ACW-30S	Total/NA	Water	SM 2540C	
400-212114-29	ACW-30D	Total/NA	Water	SM 2540C	
400-212114-30	ACW-32S	Total/NA	Water	SM 2540C	
400-212114-31	ACW-32D	Total/NA	Water	SM 2540C	
400-212114-32	DOOM WELL	Total/NA	Water	SM 2540C	
400-212114-33	ENSR-01	Total/NA	Water	SM 2540C	
400-212114-34	EPNG-01	Total/NA	Water	SM 2540C	
400-212114-35	FMR OXY WELL	Total/NA	Water	SM 2540C	
400-212114-36	PTP-01	Total/NA	Water	SM 2540C	
400-212114-37	DUP-01	Total/NA	Water	SM 2540C	
400-212114-38	DUP-02	Total/NA	Water	SM 2540C	
MB 400-558850/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-558850/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-212114-21 DU	ACW-23	Total/NA	Water	SM 2540C	
400-212114-29 DU	ACW-30D	Total/NA	Water	SM 2540C	

Analysis Batch: 558883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-39	DUP-03	Total/NA	Water	SM 2540C	
400-212114-40	DUP-04	Total/NA	Water	SM 2540C	
MB 400-558883/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-558883/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-212114-39 DU	DUP-03	Total/NA	Water	SM 2540C	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

General Chemistry

Analysis Batch: 559627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-1	ACW-01	Total/NA	Water	120.1	
400-212114-2	ACW-02A	Total/NA	Water	120.1	
400-212114-3	ACW-04	Total/NA	Water	120.1	
400-212114-4	ACW-05	Total/NA	Water	120.1	
400-212114-5	ACW-06	Total/NA	Water	120.1	
400-212114-6	ACW-07	Total/NA	Water	120.1	
400-212114-7	ACW-09	Total/NA	Water	120.1	
400-212114-8	ACW-10	Total/NA	Water	120.1	
400-212114-9	ACW-11	Total/NA	Water	120.1	
400-212114-10	ACW-12	Total/NA	Water	120.1	
400-212114-11	ACW-13	Total/NA	Water	120.1	
400-212114-12	ACW-14	Total/NA	Water	120.1	
400-212114-13	ACW-15	Total/NA	Water	120.1	
400-212114-14	ACW-16	Total/NA	Water	120.1	
400-212114-15	ACW-17	Total/NA	Water	120.1	
400-212114-16	ACW-18	Total/NA	Water	120.1	
400-212114-17	ACW-19	Total/NA	Water	120.1	
400-212114-18	ACW-20	Total/NA	Water	120.1	
400-212114-19	ACW-21	Total/NA	Water	120.1	
400-212114-20	ACW-22	Total/NA	Water	120.1	
MB 400-559627/1	Method Blank	Total/NA	Water	120.1	
LCS 400-559627/2	Lab Control Sample	Total/NA	Water	120.1	
400-212114-1 DU	ACW-01	Total/NA	Water	120.1	
400-212114-11 DU	ACW-13	Total/NA	Water	120.1	

Analysis Batch: 559685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-212114-21	ACW-23	Total/NA	Water	120.1	
400-212114-22	ACW-24	Total/NA	Water	120.1	
400-212114-23	ACW-25	Total/NA	Water	120.1	
400-212114-24	ACW-26	Total/NA	Water	120.1	
400-212114-25	ACW-27	Total/NA	Water	120.1	
400-212114-26	ACW-28	Total/NA	Water	120.1	
400-212114-27	ACW-29	Total/NA	Water	120.1	
400-212114-28	ACW-30S	Total/NA	Water	120.1	
400-212114-29	ACW-30D	Total/NA	Water	120.1	
400-212114-30	ACW-32S	Total/NA	Water	120.1	
400-212114-31	ACW-32D	Total/NA	Water	120.1	
400-212114-32	DOOM WELL	Total/NA	Water	120.1	
400-212114-33	ENSR-01	Total/NA	Water	120.1	
400-212114-34	EPNG-01	Total/NA	Water	120.1	
400-212114-35	FMR OXY WELL	Total/NA	Water	120.1	
400-212114-36	PTP-01	Total/NA	Water	120.1	
400-212114-37	DUP-01	Total/NA	Water	120.1	
400-212114-38	DUP-02	Total/NA	Water	120.1	
400-212114-39	DUP-03	Total/NA	Water	120.1	
400-212114-40	DUP-04	Total/NA	Water	120.1	
MB 400-559685/1	Method Blank	Total/NA	Water	120.1	
LCS 400-559685/2	Lab Control Sample	Total/NA	Water	120.1	
400-212114-21 DU	ACW-23	Total/NA	Water	120.1	
400-212114-31 DU	ACW-32D	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

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

Lab Sample ID: MB 400-559274/4
Matrix: Water
Analysis Batch: 559274

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			12/10/21 08:04	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/10/21 08:04	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/10/21 08:04	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/10/21 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 119*		*12/10/21 08:04*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*12/10/21 08:04*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*12/10/21 08:04*	*1*

Lab Sample ID: LCS 400-559274/1002
Matrix: Water
Analysis Batch: 559274

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	0.0501		mg/L		100	70 - 130
Toluene	0.0500	0.0428		mg/L		86	70 - 130
Ethylbenzene	0.0500	0.0491		mg/L		98	70 - 130
Xylenes, Total	0.100	0.100		mg/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*72 - 119*
Dibromofluoromethane	*99*		*75 - 126*
Toluene-d8 (Surr)	*85*		*64 - 132*

Lab Sample ID: MB 400-559458/4
Matrix: Water
Analysis Batch: 559458

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			12/11/21 08:00	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 08:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 08:00	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 08:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*12/11/21 08:00*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*12/11/21 08:00*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*12/11/21 08:00*	*1*

Lab Sample ID: LCS 400-559458/1002
Matrix: Water
Analysis Batch: 559458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0511		mg/L		102	70 - 130
Toluene	0.0500	0.0474		mg/L		95	70 - 130
Ethylbenzene	0.0500	0.0521		mg/L		104	70 - 130

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

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

Lab Sample ID: LCS 400-559458/1002
Matrix: Water
Analysis Batch: 559458

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Xylenes, Total			0.100	0.106		mg/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*72 - 119*
Dibromofluoromethane	*98*		*75 - 126*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: 400-212114-16 MS
Matrix: Water
Analysis Batch: 559458

Client Sample ID: ACW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.00061	J	0.0500	0.0519		mg/L		103	56 - 142		
Toluene	<0.00041		0.0500	0.0425		mg/L		85	65 - 130		
Ethylbenzene	<0.00050		0.0500	0.0536		mg/L		107	58 - 131		
Xylenes, Total	<0.0016		0.100	0.110		mg/L		110	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 119*
Dibromofluoromethane	*97*		*75 - 126*
Toluene-d8 (Surr)	*80*		*64 - 132*

Lab Sample ID: 400-212114-16 MSD
Matrix: Water
Analysis Batch: 559458

Client Sample ID: ACW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00061	J	0.0500	0.0576		mg/L		114	56 - 142	10	30
Toluene	<0.00041		0.0500	0.0475		mg/L		95	65 - 130	11	30
Ethylbenzene	<0.00050		0.0500	0.0589		mg/L		118	58 - 131	9	30
Xylenes, Total	<0.0016		0.100	0.121		mg/L		121	59 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 119*
Dibromofluoromethane	*98*		*75 - 126*
Toluene-d8 (Surr)	*80*		*64 - 132*

Lab Sample ID: MB 400-559461/4
Matrix: Water
Analysis Batch: 559461

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			12/11/21 07:32	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/11/21 07:32	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/11/21 07:32	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/11/21 07:32	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

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

Lab Sample ID: MB 400-559461/4
Matrix: Water
Analysis Batch: 559461

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119		12/11/21 07:32	1
Dibromofluoromethane	98		75 - 126		12/11/21 07:32	1
Toluene-d8 (Surr)	100		64 - 132		12/11/21 07:32	1

Lab Sample ID: LCS 400-559461/1002
Matrix: Water
Analysis Batch: 559461

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	0.0433		mg/L		87	70 - 130
Toluene	0.0500	0.0455		mg/L		91	70 - 130
Ethylbenzene	0.0500	0.0461		mg/L		92	70 - 130
Xylenes, Total	0.100	0.0953		mg/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	94		72 - 119
Dibromofluoromethane	95		75 - 126
Toluene-d8 (Surr)	101		64 - 132

Lab Sample ID: MB 400-559547/4
Matrix: Water
Analysis Batch: 559547

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			12/12/21 10:19	1
Toluene	<0.00041		0.0010	0.00041	mg/L			12/12/21 10:19	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/12/21 10:19	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			12/12/21 10:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		72 - 119		12/12/21 10:19	1
Dibromofluoromethane	87		75 - 126		12/12/21 10:19	1
Toluene-d8 (Surr)	116		64 - 132		12/12/21 10:19	1

Lab Sample ID: LCS 400-559547/1002
Matrix: Water
Analysis Batch: 559547

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	0.0489		mg/L		98	70 - 130
Toluene	0.0500	0.0572		mg/L		114	70 - 130
Ethylbenzene	0.0500	0.0600		mg/L		120	70 - 130
Xylenes, Total	0.100	0.119		mg/L		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	109		72 - 119
Dibromofluoromethane	88		75 - 126

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

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

Lab Sample ID: LCS 400-559547/1002
Matrix: Water
Analysis Batch: 559547

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	116		64 - 132

Lab Sample ID: 400-212114-14 MS
Matrix: Water
Analysis Batch: 559547

Client Sample ID: ACW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0016		0.0500	0.0469		mg/L		91	56 - 142
Toluene	<0.00041		0.0500	0.0525		mg/L		105	65 - 130
Ethylbenzene	<0.00050		0.0500	0.0547		mg/L		109	58 - 131
Xylenes, Total	<0.0016		0.100	0.110		mg/L		110	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	109		72 - 119
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	115		64 - 132

Lab Sample ID: 400-212114-14 MSD
Matrix: Water
Analysis Batch: 559547

Client Sample ID: ACW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0016		0.0500	0.0490		mg/L		95	56 - 142	4	30
Toluene	<0.00041		0.0500	0.0543		mg/L		109	65 - 130	3	30
Ethylbenzene	<0.00050		0.0500	0.0559		mg/L		112	58 - 131	2	30
Xylenes, Total	<0.0016		0.100	0.111		mg/L		111	59 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	109		72 - 119
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	115		64 - 132

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 400-558735/3
Matrix: Water
Analysis Batch: 558735

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 08:38	1
Ethane	<0.75		1.0	0.75	ug/L			12/07/21 08:38	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 08:38	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 08:38	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 400-558735/4
Matrix: Water
Analysis Batch: 558735

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane			389	428		ug/L		110	82 - 117		
Ethane			736	791		ug/L		108	85 - 116		
Propane			1080	1170		ug/L		108	79 - 117		
Butane			1410	1520		ug/L		108	84 - 117		

Lab Sample ID: LCSD 400-558735/5
Matrix: Water
Analysis Batch: 558735

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
Methane			389	429		ug/L		111	82 - 117	0	20
Ethane			736	789		ug/L		107	85 - 116	0	20
Propane			1080	1160		ug/L		108	79 - 117	0	20
Butane			1410	1510		ug/L		107	84 - 117	0	20

Lab Sample ID: MB 400-558783/29
Matrix: Water
Analysis Batch: 558783

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/07/21 14:54	1
Ethane	<0.75		1.0	0.75	ug/L			12/07/21 14:54	1
Propane	<1.7		5.0	1.7	ug/L			12/07/21 14:54	1
Butane	<1.6		5.0	1.6	ug/L			12/07/21 14:54	1

Lab Sample ID: LCS 400-558783/30
Matrix: Water
Analysis Batch: 558783

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane			389	403		ug/L		104	82 - 117		
Ethane			736	738		ug/L		100	85 - 116		
Propane			1080	1080		ug/L		100	79 - 117		
Butane			1410	1400		ug/L		100	84 - 117		

Lab Sample ID: LCSD 400-558783/31
Matrix: Water
Analysis Batch: 558783

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
Methane			389	389		ug/L		100	82 - 117	4	20
Ethane			736	715		ug/L		97	85 - 116	3	20
Propane			1080	1050		ug/L		97	79 - 117	3	20
Butane			1410	1360		ug/L		97	84 - 117	3	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 400-558902/3
Matrix: Water
Analysis Batch: 558902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/08/21 10:57	1
Ethane	<0.75		1.0	0.75	ug/L			12/08/21 10:57	1
Propane	<1.7		5.0	1.7	ug/L			12/08/21 10:57	1
Butane	<1.6		5.0	1.6	ug/L			12/08/21 10:57	1

Lab Sample ID: LCS 400-558902/4
Matrix: Water
Analysis Batch: 558902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	389	412		ug/L		106	82 - 117
Ethane	736	764		ug/L		104	85 - 116
Propane	1080	1120		ug/L		104	79 - 117
Butane	1410	1470		ug/L		104	84 - 117

Lab Sample ID: LCSD 400-558902/5
Matrix: Water
Analysis Batch: 558902

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
Methane	389	439		ug/L		113	82 - 117	6	20
Ethane	736	804		ug/L		109	85 - 116	5	20
Propane	1080	1180		ug/L		109	79 - 117	5	20
Butane	1410	1530		ug/L		109	84 - 117	5	20

Lab Sample ID: MB 400-559124/3
Matrix: Water
Analysis Batch: 559124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.50		1.0	0.50	ug/L			12/09/21 09:44	1
Ethane	<0.75		1.0	0.75	ug/L			12/09/21 09:44	1
Propane	<1.7		5.0	1.7	ug/L			12/09/21 09:44	1
Butane	<1.6		5.0	1.6	ug/L			12/09/21 09:44	1

Lab Sample ID: LCS 400-559124/4
Matrix: Water
Analysis Batch: 559124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	389	377		ug/L		97	82 - 117
Ethane	736	695		ug/L		94	85 - 116
Propane	1080	1020		ug/L		95	79 - 117
Butane	1410	1330		ug/L		95	84 - 117

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 400-559124/5
Matrix: Water
Analysis Batch: 559124

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
Methane			389	380		ug/L		98	82 - 117	1	20
Ethane			736	696		ug/L		95	85 - 116	0	20
Propane			1080	1020		ug/L		95	79 - 117	0	20
Butane			1410	1340		ug/L		95	84 - 117	0	20

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-558884/4
Matrix: Water
Analysis Batch: 558884

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			12/07/21 10:35	1
Bromide	<0.11		1.0	0.11	mg/L			12/07/21 10:35	1

Lab Sample ID: MB 400-558884/95
Matrix: Water
Analysis Batch: 558884

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			12/08/21 01:54	1
Bromide	<0.11		1.0	0.11	mg/L			12/08/21 01:54	1

Lab Sample ID: LCS 400-558884/6
Matrix: Water
Analysis Batch: 558884

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	9.96		mg/L		100	90 - 110
Bromide			10.0	9.08		mg/L		91	90 - 110

Lab Sample ID: LCS 400-558884/97
Matrix: Water
Analysis Batch: 558884

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	9.95		mg/L		99	90 - 110
Bromide			10.0	9.08		mg/L		91	90 - 110

Lab Sample ID: LCSD 400-558884/7
Matrix: Water
Analysis Batch: 558884

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	9.97		mg/L		100	90 - 110	0	15
Bromide			10.0	9.16		mg/L		92	90 - 110	1	15

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-558884/98
Matrix: Water
Analysis Batch: 558884

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			10.0	10.0		mg/L		100	90 - 110	1	15
Bromide			10.0	9.20		mg/L		92	90 - 110	1	15

Lab Sample ID: MRL 400-558884/5
Matrix: Water
Analysis Batch: 558884

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	<0.89		mg/L		82	50 - 150		
Bromide			1.00	0.695	J	mg/L		70	50 - 150		

Lab Sample ID: MRL 400-558884/96
Matrix: Water
Analysis Batch: 558884

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			1.00	<0.89		mg/L		82	50 - 150		
Bromide			1.00	0.675	J	mg/L		67	50 - 150		

Lab Sample ID: 400-212114-11 MS
Matrix: Water
Analysis Batch: 558884

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1400	E	50.0	1450	E 4	mg/L		2	80 - 120		
Bromide	1.5	J	50.0	46.8		mg/L		91	80 - 120		

Lab Sample ID: 400-212114-11 MSD
Matrix: Water
Analysis Batch: 558884

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1400	E	50.0	1460	E 4	mg/L		23	80 - 120	1	20
Bromide	1.5	J	50.0	47.3		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 400-559054/4
Matrix: Water
Analysis Batch: 559054

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			12/08/21 17:13	1
Bromide	<0.11		1.0	0.11	mg/L			12/08/21 17:13	1

Lab Sample ID: LCS 400-559054/6
Matrix: Water
Analysis Batch: 559054

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	9.93		mg/L		99	90 - 110		
Bromide			10.0	9.21		mg/L		92	90 - 110		

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: LCSD 400-559054/7
Matrix: Water
Analysis Batch: 559054

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	9.96		mg/L		100	90 - 110	0	15
Bromide	10.0	9.21		mg/L		92	90 - 110	0	15

Lab Sample ID: MRL 400-559054/5
Matrix: Water
Analysis Batch: 559054

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	<0.89		mg/L		82	50 - 150
Bromide	1.00	0.711	J	mg/L		71	50 - 150

Lab Sample ID: MB 400-559205/50
Matrix: Water
Analysis Batch: 559205

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			12/10/21 02:00	1
Bromide	<0.11		1.0	0.11	mg/L			12/10/21 02:00	1

Lab Sample ID: LCS 400-559205/52
Matrix: Water
Analysis Batch: 559205

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	9.96		mg/L		100	90 - 110
Bromide	10.0	9.18		mg/L		92	90 - 110

Lab Sample ID: LCSD 400-559205/53
Matrix: Water
Analysis Batch: 559205

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	0	15
Bromide	10.0	9.23		mg/L		92	90 - 110	1	15

Lab Sample ID: MRL 400-559205/51
Matrix: Water
Analysis Batch: 559205

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	<0.89		mg/L		81	50 - 150
Bromide	1.00	0.706	J	mg/L		71	50 - 150

Lab Sample ID: 400-212114-3 MS
Matrix: Water
Analysis Batch: 559205

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	58000	^2	25000	82400		mg/L		96	80 - 120
Bromide	<280		25000	23000		mg/L		92	80 - 120

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-559417/4
Matrix: Water
Analysis Batch: 559417

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			12/10/21 18:09	1
Bromide	<0.11		1.0	0.11	mg/L			12/10/21 18:09	1

Lab Sample ID: LCS 400-559417/6
Matrix: Water
Analysis Batch: 559417

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	9.88		mg/L		99	90 - 110
Bromide	10.0	9.10		mg/L		91	90 - 110

Lab Sample ID: LCSD 400-559417/7
Matrix: Water
Analysis Batch: 559417

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	9.89		mg/L		99	90 - 110	0	15
Bromide	10.0	9.16		mg/L		92	90 - 110	1	15

Lab Sample ID: MRL 400-559417/5
Matrix: Water
Analysis Batch: 559417

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	<0.89		mg/L		81	50 - 150
Bromide	1.00	0.704	J	mg/L		70	50 - 150

Lab Sample ID: 400-212114-28 MS
Matrix: Water
Analysis Batch: 559417

Client Sample ID: ACW-30S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	120		50.0	163		mg/L		91	80 - 120
Bromide	<0.55		50.0	45.9		mg/L		92	80 - 120

Lab Sample ID: 400-212114-28 MSD
Matrix: Water
Analysis Batch: 559417

Client Sample ID: ACW-30S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	120		50.0	169		mg/L		103	80 - 120	4	20
Bromide	<0.55		50.0	50.6		mg/L		101	80 - 120	10	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-558497/1-A
Matrix: Water
Analysis Batch: 558747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92	^+	2.0	0.92	mg/L		12/05/21 14:00	12/06/21 19:33	1
Calcium	<0.084		0.50	0.084	mg/L		12/05/21 14:00	12/06/21 19:33	1
Magnesium	0.188	J	0.50	0.12	mg/L		12/05/21 14:00	12/06/21 19:33	1

Lab Sample ID: LCS 400-558497/2-A
Matrix: Water
Analysis Batch: 558747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	10.7		mg/L		107	80 - 120
Magnesium	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: LCS 400-558497/2-A
Matrix: Water
Analysis Batch: 558923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	10.0	9.89		mg/L		99	80 - 120

Lab Sample ID: 400-212114-1 MS
Matrix: Water
Analysis Batch: 558747

Client Sample ID: ACW-01
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	51		10.0	57.8	4	mg/L		72	75 - 125
Magnesium	95	B	10.0	99.7	4	mg/L		46	75 - 125

Lab Sample ID: 400-212114-1 MS
Matrix: Water
Analysis Batch: 558923

Client Sample ID: ACW-01
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	2800		10.0	3860	4	mg/L		10177	75 - 125

Lab Sample ID: 400-212114-1 MSD
Matrix: Water
Analysis Batch: 558747

Client Sample ID: ACW-01
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	51		10.0	58.7	4	mg/L		81	75 - 125	2	20
Magnesium	95	B	10.0	102	4	mg/L		66	75 - 125	2	20

Lab Sample ID: 400-212114-1 MSD
Matrix: Water
Analysis Batch: 558923

Client Sample ID: ACW-01
Prep Type: Total/NA
Prep Batch: 558497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	2800		10.0	3980	4	mg/L		11353	75 - 125	3	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 400-558551/1-A
Matrix: Water
Analysis Batch: 559322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.92	^+	2.0	0.92	mg/L		12/06/21 10:49	12/09/21 21:02	1
Calcium	<0.084		0.50	0.084	mg/L		12/06/21 10:49	12/09/21 21:02	1
Magnesium	<0.12		0.50	0.12	mg/L		12/06/21 10:49	12/09/21 21:02	1

Lab Sample ID: LCS 400-558551/2-A
Matrix: Water
Analysis Batch: 559322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	9.96		mg/L		100	80 - 120
Magnesium	10.0	10.2		mg/L		101	80 - 120

Lab Sample ID: LCS 400-558551/2-A
Matrix: Water
Analysis Batch: 559344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558551

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: 400-212114-21 MS
Matrix: Water
Analysis Batch: 558923

Client Sample ID: ACW-23
Prep Type: Total/NA
Prep Batch: 558551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	23	F1 ^+	10.0	236	F1	mg/L		2125	75 - 125
Magnesium	8.5	F1	10.0	93.2	F1	mg/L		847	75 - 125

Lab Sample ID: 400-212114-21 MS
Matrix: Water
Analysis Batch: 559322

Client Sample ID: ACW-23
Prep Type: Total/NA
Prep Batch: 558551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	200		10.0	215	4	mg/L		149	75 - 125
Magnesium	75		10.0	84.9	4	mg/L		99	75 - 125

Lab Sample ID: 400-212114-21 MS
Matrix: Water
Analysis Batch: 559344

Client Sample ID: ACW-23
Prep Type: Total/NA
Prep Batch: 558551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	320		10.0	340	4	mg/L		155	75 - 125
Calcium	230		10.0	241	4	mg/L		132	75 - 125
Magnesium	80		10.0	90.9	4	mg/L		110	75 - 125

Lab Sample ID: 400-212114-21 MSD
Matrix: Water
Analysis Batch: 558923

Client Sample ID: ACW-23
Prep Type: Total/NA
Prep Batch: 558551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	200		10.0	234	4	mg/L		340	75 - 125	8	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 400-212114-21 MSD — **Client Sample ID: ACW-23**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 558923 — **Prep Batch: 558551**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	75		10.0	92.6	4	mg/L		176	75 - 125	9	20

Lab Sample ID: 400-212114-21 MSD — **Client Sample ID: ACW-23**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559344 — **Prep Batch: 558551**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	320		10.0	334	4	mg/L		90	75 - 125	2	20
Calcium	230		10.0	240	4	mg/L		113	75 - 125	1	20
Magnesium	80		10.0	90.0	4	mg/L		101	75 - 125	1	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-559627/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			12/13/21 10:13	1

Lab Sample ID: LCS 400-559627/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Specific Conductance	10.0	10.2		umhos/cm		102	98 - 102

Lab Sample ID: 400-212114-1 DU — **Client Sample ID: ACW-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559627

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	18000		17900		umhos/cm		0.2	2

Lab Sample ID: 400-212114-11 DU — **Client Sample ID: ACW-13**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559627

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	4700		4710		umhos/cm		0.4	2

Lab Sample ID: MB 400-559685/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 559685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<5.0		5.0	5.0	umhos/cm			12/13/21 13:35	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 400-559685/2
Matrix: Water
Analysis Batch: 559685

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		

Lab Sample ID: 400-212114-21 DU
Matrix: Water
Analysis Batch: 559685

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	3100			3160		umhos/cm				0.6	2

Lab Sample ID: 400-212114-31 DU
Matrix: Water
Analysis Batch: 559685

Client Sample ID: ACW-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	1600			1650		umhos/cm				0.7	2

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

Lab Sample ID: MB 400-558707/1
Matrix: Water
Analysis Batch: 558707

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			12/06/21 17:41	1

Lab Sample ID: LCS 400-558707/2
Matrix: Water
Analysis Batch: 558707

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			293	348		mg/L		119	78 - 122		

Lab Sample ID: 400-212114-1 DU
Matrix: Water
Analysis Batch: 558707

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			11600		mg/L				5	5

Lab Sample ID: 400-212114-11 DU
Matrix: Water
Analysis Batch: 558707

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	4700			4620		mg/L				2	5

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

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

Lab Sample ID: MB 400-558850/1
Matrix: Water
Analysis Batch: 558850

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			12/07/21 16:02	1

Lab Sample ID: LCS 400-558850/2
Matrix: Water
Analysis Batch: 558850

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	256		mg/L		87	78 - 122		

Lab Sample ID: 400-212114-21 DU
Matrix: Water
Analysis Batch: 558850

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			2100		mg/L				0	5

Lab Sample ID: 400-212114-29 DU
Matrix: Water
Analysis Batch: 558850

Client Sample ID: ACW-30D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	44000			57500	F3	mg/L				27	5

Lab Sample ID: MB 400-558883/1
Matrix: Water
Analysis Batch: 558883

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			12/07/21 17:26	1

Lab Sample ID: LCS 400-558883/2
Matrix: Water
Analysis Batch: 558883

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			293	286		mg/L		98	78 - 122		

Lab Sample ID: 400-212114-39 DU
Matrix: Water
Analysis Batch: 558883

Client Sample ID: DUP-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	120000			116000		mg/L				3	5

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-01

Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559274	12/10/21 10:57	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 09:53	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	5			558783	12/07/21 15:38	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 18:28	KIS	TAL PEN
Total/NA	Analysis	9056		250	10 mL	1.0 mL	559054	12/09/21 21:02	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558747	12/06/21 19:40	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:31	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-02A

Date Collected: 12/01/21 12:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559274	12/10/21 11:22	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 10:03	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	5			558783	12/07/21 15:49	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 18:52	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559205	12/10/21 06:58	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:42	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-04

Date Collected: 12/01/21 13:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559274	12/10/21 11:47	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 10:13	LHB	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	558884	12/07/21 19:17	KIS	TAL PEN
Total/NA	Analysis	9056		2500			559205	12/10/21 08:38	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:46	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-05
Date Collected: 12/01/21 13:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-4
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	559274	12/10/21 13:53	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 10:37	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 20:32	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559205	12/10/21 07:23	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:50	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-06
Date Collected: 12/01/21 09:20
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-5
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	8260B		1	5 mL	5 mL	559274	12/10/21 14:43	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 10:47	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/07/21 20:56	KIS	TAL PEN
Total/NA	Analysis	9056		50	10 mL	1.0 mL	559205	12/10/21 09:52	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		5			558923	12/07/21 15:54	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-07
Date Collected: 12/01/21 13:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559274	12/10/21 15:07	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 10:57	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 21:21	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559205	12/10/21 07:48	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:58	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-09
Date Collected: 12/01/21 12:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559274	12/10/21 15:32	WPD	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: ACW-09
Lab Sample ID: 400-212114-7
Date Collected: 12/01/21 12:25
Matrix: Water
Date Received: 12/02/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1			558735	12/07/21 11:07	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 21:46	KIS	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	559205	12/10/21 10:42	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 16:02	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-10
Lab Sample ID: 400-212114-8
Date Collected: 12/01/21 12:35
Matrix: Water
Date Received: 12/02/21 09:40

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	559274	12/10/21 15:58	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 11:21	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 22:11	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559205	12/10/21 08:13	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		5			558923	12/07/21 16:17	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-11
Lab Sample ID: 400-212114-9
Date Collected: 12/01/21 09:05
Matrix: Water
Date Received: 12/02/21 09:40

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	559274	12/10/21 16:23	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 11:30	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/07/21 22:36	KIS	TAL PEN
Total/NA	Analysis	9056		100	10 mL	1.0 mL	559205	12/10/21 12:46	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 16:20	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-12
Lab Sample ID: 400-212114-10
Date Collected: 12/01/21 11:40
Matrix: Water
Date Received: 12/02/21 09:40

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	559274	12/10/21 16:49	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 11:44	LHB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-12
Date Collected: 12/01/21 11:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/07/21 23:01	KIS	TAL PEN
Total/NA	Analysis	9056		50	10 mL	1.0 mL	559205	12/10/21 10:17	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		5			558923	12/07/21 16:24	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-13
Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-11
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	8260B		1	5 mL	5 mL	559274	12/10/21 17:15	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 11:55	LHB	TAL PEN
Total/NA	Analysis	9056		5			558884	12/08/21 03:34	KIS	TAL PEN
Total/NA	Analysis	9056		50	10 mL	1.0 mL	559417	12/10/21 23:07	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 16:28	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-14
Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-12
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	559274	12/10/21 17:41	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 12:05	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 04:48	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 16:32	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-15
Date Collected: 12/01/21 12:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-13
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	559274	12/10/21 18:08	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 12:53	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 05:13	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-15
Date Collected: 12/01/21 12:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 16:36	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-16
Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-14
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	559547	12/12/21 11:39	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 14:09	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	20			558902	12/08/21 11:29	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/08/21 05:38	KIS	TAL PEN
Total/NA	Analysis	9056		250	10 mL	1.0 mL	559054	12/09/21 19:48	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 16:39	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-17
Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-15
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	559547	12/12/21 12:05	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 14:22	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	25			558902	12/08/21 17:30	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/08/21 06:52	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559205	12/10/21 14:25	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 16:43	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-18
Date Collected: 12/01/21 11:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-16
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	559458	12/11/21 08:50	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558735	12/07/21 14:32	LHB	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	558884	12/08/21 07:17	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-18
Date Collected: 12/01/21 11:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-16
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	9056		1000	10 mL	1.0 mL	559205	12/10/21 13:11	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 16:47	SW	TAL PEN
Total/NA	Analysis	120.1		2			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-19
Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-17
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	559458	12/11/21 09:14	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558783	12/07/21 16:40	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 07:42	KIS	TAL PEN
Total/NA	Analysis	9056		50	10 mL	1.0 mL	559054	12/09/21 20:13	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		5			558923	12/07/21 16:51	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-20
Date Collected: 12/01/21 09:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-18
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	559458	12/11/21 09:39	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558783	12/07/21 16:52	LHB	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	558884	12/08/21 08:07	KIS	TAL PEN
Total/NA	Analysis	9056		2500	10 mL	1.0 mL	559205	12/10/21 14:50	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 17:06	SW	TAL PEN
Total/NA	Analysis	120.1		2			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-21
Date Collected: 12/01/21 08:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-19
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	8260B		1	5 mL	5 mL	559458	12/11/21 12:08	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 12:04	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 08:32	KIS	TAL PEN
Total/NA	Analysis	9056		10	10 mL	1.0 mL	559205	12/10/21 13:36	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-21
Date Collected: 12/01/21 08:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 17:10	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-22
Date Collected: 12/01/21 11:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559458	12/11/21 12:34	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 12:16	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 08:57	KIS	TAL PEN
Total/NA	Analysis	9056		10	10 mL	1.0 mL	559205	12/10/21 14:01	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 17:14	SW	TAL PEN
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-23
Date Collected: 12/01/21 10:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559458	12/11/21 12:59	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 12:28	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 09:21	KIS	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559205	12/10/21 15:15	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:02	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:18	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-24
Date Collected: 12/01/21 08:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-22
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	559458	12/11/21 13:25	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 12:42	LHB	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	558884	12/08/21 10:11	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-24
Date Collected: 12/01/21 08:40
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-22
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	9056		2500	10 mL	1.0 mL	559417	12/10/21 21:03	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:21	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		10			559344	12/10/21 11:29	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-25
Date Collected: 12/01/21 12:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-23
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	559458	12/11/21 13:51	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 12:53	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	558884	12/08/21 10:36	KIS	TAL PEN
Total/NA	Analysis	9056		625	10 mL	1.0 mL	559054	12/09/21 20:37	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:25	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		10			559344	12/10/21 11:33	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-26
Date Collected: 12/01/21 09:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-24
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	559458	12/11/21 14:17	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 13:59	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 11:51	KIS	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559417	12/10/21 21:52	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:29	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:37	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-27
Date Collected: 12/01/21 08:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-25
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	559458	12/11/21 14:43	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 14:09	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	558884	12/08/21 12:15	KIS	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559417	12/10/21 21:28	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:44	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:41	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-28
Date Collected: 12/01/21 11:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-26
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	559458	12/11/21 15:10	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 14:30	LHB	TAL PEN
Total/NA	Analysis	9056		1	10 mL	1.0 mL	558884	12/08/21 12:40	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:48	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 12:00	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-29
Date Collected: 12/01/21 10:20
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-27
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	559458	12/11/21 15:36	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 14:57	LHB	TAL PEN
Total/NA	Analysis	9056		1	10 mL	1.0 mL	559054	12/09/21 09:01	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:51	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 12:03	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: ACW-30S
Lab Sample ID: 400-212114-28
Date Collected: 12/01/21 10:10
Matrix: Water
Date Received: 12/02/21 09:40

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	559458	12/11/21 16:02	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 15:18	LHB	TAL PEN
Total/NA	Analysis	9056		1	10 mL	1.0 mL	559054	12/09/21 09:26	KIS	TAL PEN
Total/NA	Analysis	9056		5			559417	12/10/21 19:48	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:55	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 12:07	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-30D
Lab Sample ID: 400-212114-29
Date Collected: 12/01/21 11:00
Matrix: Water
Date Received: 12/02/21 09:40

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	559458	12/11/21 16:28	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 15:28	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559054	12/09/21 09:51	KIS	TAL PEN
Total/NA	Analysis	9056		625	10 mL	1.0 mL	559417	12/11/21 00:46	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:59	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		20			559344	12/10/21 12:11	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-32S
Lab Sample ID: 400-212114-30
Date Collected: 12/01/21 08:55
Matrix: Water
Date Received: 12/02/21 09:40

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	559458	12/11/21 16:54	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 15:40	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559054	12/09/21 11:05	KIS	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559417	12/11/21 01:11	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:03	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 12:15	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-32D
Date Collected: 12/01/21 09:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559458	12/11/21 17:20	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 15:56	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559054	12/09/21 11:30	KIS	TAL PEN
Total/NA	Analysis	9056		10	10 mL	1.0 mL	559417	12/11/21 01:36	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:07	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 12:18	JTW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: DOOM WELL
Date Collected: 12/01/21 09:30
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-32
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	8260B		1	5 mL	5 mL	559458	12/11/21 17:47	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 16:06	LHB	TAL PEN
Total/NA	Analysis	9056		1	10 mL	1.0 mL	559054	12/09/21 11:55	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559322	12/09/21 22:53	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:10	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ENSR-01
Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-33
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	559547	12/12/21 14:45	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			558902	12/08/21 16:16	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	20			558902	12/08/21 17:20	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559054	12/09/21 18:08	KIS	TAL PEN
Total/NA	Analysis	9056		125	10 mL	1.0 mL	559417	12/11/21 04:30	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		10			559322	12/09/21 22:58	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:14	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: EPNG-01
Date Collected: 12/01/21 08:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-34
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	559461	12/11/21 16:01	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 10:57	LHB	TAL PEN
Total/NA	Analysis	9056		1	10 mL	1.0 mL	559054	12/09/21 21:27	KIS	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559417	12/11/21 04:55	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559322	12/09/21 23:03	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:18	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: FMR OXY WELL
Date Collected: 12/01/21 10:05
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-35
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	559461	12/11/21 16:28	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 11:07	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559054	12/09/21 21:52	KIS	TAL PEN
Total/NA	Analysis	9056		10	10 mL	1.0 mL	559417	12/11/21 02:50	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559111	12/08/21 15:41	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:33	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: PTP-01
Date Collected: 12/01/21 12:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 15:12	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 11:16	LHB	TAL PEN
Total/NA	Analysis	RSK-175	DL	5			559124	12/09/21 15:55	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559054	12/09/21 23:07	KIS	TAL PEN
Total/NA	Analysis	9056		10	10 mL	1.0 mL	559417	12/11/21 04:05	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559111	12/08/21 15:46	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:37	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: DUP-01
Date Collected: 12/01/21 08:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 15:38	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 11:28	LHB	TAL PEN
Total/NA	Analysis	9056		5	10 mL	1.0 mL	559205	12/10/21 04:54	KIS	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559417	12/11/21 05:19	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559111	12/08/21 15:51	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:41	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: DUP-02
Date Collected: 12/01/21 09:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-38
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 16:05	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 11:37	LHB	TAL PEN
Total/NA	Analysis	9056		25	10 mL	1.0 mL	559205	12/10/21 05:19	KIS	TAL PEN
Total/NA	Analysis	9056		625	10 mL	1.0 mL	559417	12/11/21 05:44	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		10			559322	12/09/21 23:08	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:45	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: DUP-03
Date Collected: 12/01/21 10:05
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 16:32	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 11:51	LHB	TAL PEN
Total/NA	Analysis	9056		500	10 mL	1.0 mL	559205	12/10/21 05:44	KIS	TAL PEN
Total/NA	Analysis	9056		2500	10 mL	1.0 mL	559417	12/11/21 02:01	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559111	12/08/21 16:01	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:48	SW	TAL PEN
Total/NA	Analysis	120.1		2			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558883	12/07/21 17:26	VB	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: DUP-04
Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 16:58	SAB	TAL PEN
Total/NA	Analysis	RSK-175		1			559124	12/09/21 12:01	LHB	TAL PEN
Total/NA	Analysis	9056		1			559054	12/09/21 18:33	KIS	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559111	12/08/21 16:06	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 19:52	SW	TAL PEN
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558883	12/07/21 17:26	VB	TAL PEN

Client Sample ID: FB-01
Date Collected: 12/01/21 12:35
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1			559124	12/09/21 12:45	LHB	TAL PEN

Client Sample ID: FB-02
Date Collected: 12/01/21 09:30
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-42
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	RSK-175		1			559124	12/09/21 12:57	LHB	TAL PEN

Client Sample ID: TRIP BLANK-01
Date Collected: 12/01/21 00:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	559547	12/12/21 10:45	SAB	TAL PEN

Client Sample ID: TRIP BLANK-02
Date Collected: 12/01/21 00:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-44
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	559547	12/12/21 11:12	SAB	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-558497/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558747	12/06/21 19:33	SW	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558551/1-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559322	12/09/21 21:02	JTW	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558707/1

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558735/3

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1			558735	12/07/21 08:38	LHB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558783/29

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1			558783	12/07/21 14:54	LHB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558850/1

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558883/1

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	558883	12/07/21 17:26	VB	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-558884/4

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			558884	12/07/21 10:35	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-558884/95
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			558884	12/08/21 01:54	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-558902/3
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	RSK-175		1			558902	12/08/21 10:57	LHB	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-559054/4
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	9056		1			559054	12/08/21 17:13	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-559124/3
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	RSK-175		1			559124	12/09/21 09:44	LHB	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-559205/50
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			559205	12/10/21 02:00	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-559274/4
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	559274	12/10/21 08:04	WPD	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-559417/4
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	9056		1			559417	12/10/21 18:09	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-559458/4
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	559458	12/11/21 08:00	WPD	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-559461/4
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	559461	12/11/21 07:32	WPD	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-559547/4
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	559547	12/12/21 10:19	SAB	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-559627/1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			559627	12/13/21 10:13	CAC	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-559685/1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			559685	12/13/21 13:35	CAC	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-558497/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558747	12/06/21 19:37	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 15:27	SW	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558551/2-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	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559322	12/09/21 21:07	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:14	JTW	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558707/2

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	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558735/4

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	RSK-175		1			558735	12/07/21 08:47	LHB	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558783/30

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	RSK-175		1			558783	12/07/21 15:17	LHB	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558850/2

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	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558883/2

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	558883	12/07/21 17:26	VB	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-558884/6

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			558884	12/07/21 11:25	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-558884/97
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			558884	12/08/21 02:44	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-558902/4
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	RSK-175		1			558902	12/08/21 11:08	LHB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559054/6
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			559054	12/08/21 18:03	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559124/4
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	RSK-175		1			559124	12/09/21 10:38	LHB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559205/52
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			559205	12/10/21 02:50	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559274/1002
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	559274	12/10/21 07:07	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559417/6
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			559417	12/10/21 18:58	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559458/1002
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	559458	12/11/21 07:02	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559461/1002
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	559461	12/11/21 06:39	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559547/1002
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	559547	12/12/21 09:20	SAB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559627/2
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			559627	12/13/21 10:13	CAC	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-559685/2
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			559685	12/13/21 13:35	CAC	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-558735/5
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	RSK-175		1			558735	12/07/21 08:59	LHB	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-558783/31
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	RSK-175		1			558783	12/07/21 15:27	LHB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-558884/7
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			558884	12/07/21 11:50	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-558884/98
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			558884	12/08/21 03:09	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-558902/5
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	RSK-175		1			558902	12/08/21 11:17	LHB	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-559054/7
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			559054	12/08/21 18:28	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-559124/5
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	RSK-175		1			559124	12/09/21 10:48	LHB	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-559205/53
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			559205	12/10/21 03:15	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-559417/7
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			559417	12/10/21 19:23	KIS	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-558884/5
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			558884	12/07/21 11:00	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-558884/96
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		1			558884	12/08/21 02:19	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-559054/5
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			559054	12/08/21 17:38	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-559205/51
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			559205	12/10/21 02:25	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-559417/5
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			559417	12/10/21 18:34	KIS	TAL PEN

Client Sample ID: ACW-01
Lab Sample ID: 400-212114-1 MS
Date Collected: 12/01/21 11:00
Matrix: Water
Date Received: 12/02/21 09:40

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	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558747	12/06/21 20:04	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:35	SW	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-01
Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-1 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	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		1			558747	12/06/21 20:08	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558497	12/05/21 14:00	NET	TAL PEN
Total/NA	Analysis	6010B		10			558923	12/07/21 15:39	SW	TAL PEN

Client Sample ID: ACW-04
Date Collected: 12/01/21 13:25
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-3 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	9056		2500			559205	12/10/21 09:02	KIS	TAL PEN

Client Sample ID: ACW-13
Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-11 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		5			558884	12/08/21 03:59	KIS	TAL PEN

Client Sample ID: ACW-13
Date Collected: 12/01/21 10:45
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-11 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056		5			558884	12/08/21 04:23	KIS	TAL PEN

Client Sample ID: ACW-16
Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-14 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	559547	12/12/21 13:25	SAB	TAL PEN

Client Sample ID: ACW-16
Date Collected: 12/01/21 08:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-14 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	559547	12/12/21 13:52	SAB	TAL PEN

Client Sample ID: ACW-18
Date Collected: 12/01/21 11:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-16 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	559458	12/11/21 10:53	WPD	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Client Sample ID: ACW-18
Date Collected: 12/01/21 11:50
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-16 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	559458	12/11/21 11:19	WPD	TAL PEN

Client Sample ID: ACW-23
Date Collected: 12/01/21 10:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-21 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559322	12/09/21 21:17	JTW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:14	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:22	JTW	TAL PEN

Client Sample ID: ACW-23
Date Collected: 12/01/21 10:55
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-21 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			558923	12/07/21 18:17	SW	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	558551	12/06/21 10:49	KWN	TAL PEN
Total/NA	Analysis	6010B		1			559344	12/10/21 11:25	JTW	TAL PEN

Client Sample ID: ACW-30S
Date Collected: 12/01/21 10:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-28 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	9056		5			559417	12/10/21 20:13	KIS	TAL PEN

Client Sample ID: ACW-30S
Date Collected: 12/01/21 10:10
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-28 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	9056		5			559417	12/10/21 20:38	KIS	TAL PEN

Client Sample ID: ACW-01
Date Collected: 12/01/21 11:00
Date Received: 12/02/21 09:40

Lab Sample ID: 400-212114-1 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			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Lab Chronicle

Client: AECOM
Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Client Sample ID: ACW-13
Lab Sample ID: 400-212114-11 DU
Date Collected: 12/01/21 10:45
Matrix: Water
Date Received: 12/02/21 09:40

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			559627	12/13/21 10:13	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	558707	12/06/21 17:41	VB	TAL PEN

Client Sample ID: ACW-23
Lab Sample ID: 400-212114-21 DU
Date Collected: 12/01/21 10:55
Matrix: Water
Date Received: 12/02/21 09:40

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			559685	12/13/21 13:35	CAC	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-30D
Lab Sample ID: 400-212114-29 DU
Date Collected: 12/01/21 11:00
Matrix: Water
Date Received: 12/02/21 09:40

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	1 mL	50 mL	558850	12/07/21 16:02	VB	TAL PEN

Client Sample ID: ACW-32D
Lab Sample ID: 400-212114-31 DU
Date Collected: 12/01/21 09:45
Matrix: Water
Date Received: 12/02/21 09:40

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			559685	12/13/21 13:35	CAC	TAL PEN

Client Sample ID: DUP-03
Lab Sample ID: 400-212114-39 DU
Date Collected: 12/01/21 10:05
Matrix: Water
Date Received: 12/02/21 09:40

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	1 mL	50 mL	558883	12/07/21 17:26	VB	TAL PEN

Laboratory References:

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

Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant 4Q21

Job ID: 400-212114-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
RSK-175	Dissolved Gases (GC)	RSK	TAL PEN
9056	Anions, Ion Chromatography	SW846	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.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM Job ID: 400-212114-1
Project/Site: Jal #4 Gas Plant 4Q21

Laboratory: Eurofins TestAmerica, 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
Arizona	State	AZ0710	01-12-22
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
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
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
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.1
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 1 of 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	120.1, 9056_ORGFM_28D (Specific Conductance, chloride)	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases) *	8260B - BTEX	2540C - Local Method (TDS)	Total Number of containers
			Preservation Code:				N	D	A	A	N	
1 ACW-01	12/1/21	1100	G	Water			✓	✓	✓	✓	✓	
2 ACW-02A		1240		Water			✓	✓	✓	✓	✓	
3 ACW-04		1325		Water			✓	✓	✓	✓	✓	
4 ACW-05		1300		Water			✓	✓	✓	✓	✓	
5 ACW-06		920		Water			✓	✓	✓	✓	✓	
6 ACW-07		1340		Water			✓	✓	✓	✓	✓	
7 ACW-09		1225		Water			✓	✓	✓	✓	✓	
8 ACW-10		1235		Water			✓	✓	✓	✓	✓	
9 ACW-11		905		Water			✓	✓	✓	✓	✓	
10 ACW-12		1140		Water			✓	✓	✓	✓	✓	
11 ACW-13		1045		Water			✓	✓	✓	✓	✓	

400-212114 COC

Preservation Codes:

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

Other:

Special Instructions/Note:

* per ARF
diss-gas = propane, methane, ethane, N-butane

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx
Relinquished by:	Date/Time: 12/1/21 1430	Company HMI	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time:	Company
Received by:	Date/Time:	Company
Received by:	Date/Time: 12-2-21 // 940	Company

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

Cooler Temperature(s) °C and Other Remarks: 0.7, 0.8, 0.6, 0.4 0.7, 0.7, 0.4, 1.4 °C IR9

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + 4M1 Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.2
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 2 of 5 14
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases)	8260B - BTEX	2540C - Local Method	Total Number of container	Special Instructions/Note:
			Preservation Code:				N	D	A	A	N		
ACW-14	12/1/21	1145	G	Water			✓	✓	✓	✓	✓		
ACW-15		1210		Water			✓	✓	✓	✓	✓		
ACW-16		855		Water			✓	✓	✓	✓	✓		
ACW-17		1145		Water			✓	✓	✓	✓	✓		
ACW-18		1150		Water			✓	✓	✓	✓	✓		
ACW-19		1045		Water			✓	✓	✓	✓	✓		
ACW-20		945		Water			✓	✓	✓	✓	✓		
ACW-21		825		Water			✓	✓	✓	✓	✓		
ACW-22		1145		Water			✓	✓	✓	✓	✓		
ACW-23		1055		Water			✓	✓	✓	✓	✓		
ACW-24		840		Water			✓	✓	✓	✓	✓		

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

Deliverable Requested: I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		12/1/21 1430	HM1			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12-2-21/940	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.3
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 3 of 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases)	8260B - BTEX	2540C - Local Method	Total Number of containers	Special Instructions/Note:
23	ACW-25	12/1/21	1225	G	Water			✓	✓	✓	✓	✓		
24	ACW-26		935		Water			✓	✓	✓	✓	✓		
25	ACW-27		850		Water			✓	✓	✓	✓	✓		
26	ACW-28		1110		Water			✓	✓	✓	✓	✓		
27	ACW-29		1020		Water			✓	✓	✓	✓	✓		
28	ACW-30S		1010		Water			✓	✓	✓	✓	✓		
29	ACW-30D		1100		Water			✓	✓	✓	✓	✓		
30	ACW-32S		855		Water			✓	✓	✓	✓	✓		
31	ACW-32D		945		Water			✓	✓	✓	✓	✓		
32	Doom Well		930		Water			✓	✓	✓	✓	✓		
33	ENSR-01		855		Water			✓	✓	✓	✓	✓		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx
Relinquished by:	Date/Time: 12/1/21 1430	Company HMI	Received by: / Date/Time: / Company
Relinquished by:	Date/Time:	Company	Received by: / Date/Time: / Company
Relinquished by:	Date/Time:	Company	Received by: / Date/Time: 12-2-21/940 / Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-106140-37797.4
Client Contact: Mr. Wallace Gilmore	Phone: 832-347-4521	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin: NM	Page: Page 4 of 4
Company: AECOM	PWSID:			Job #:
Address: 19219 Katy Freeway Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77094	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD801914			
Email: wallace.gilmore@aecom.com	WO #:			
Project Name: Jal #4 Gas Plant 4th Quarter	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Y or N)	Perform MS	120.1, 9056_ORGFM_28D	6010B - Sodium	RSK_175 - (MOD) MEE (Dissolved Gases)	8260B - BTEX	2540C - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	A	N		
EPNG-01	12/1/21	845	G	Water			✓	✓	✓	✓	✓		
Fmr OXY Well		1005		Water			✓	✓	✓	✓	✓		
PTP-01		1235		Water			✓	✓	✓	✓	✓		
DUP-01		800		Water			✓	✓	✓	✓	✓		
DUP-02		900		Water			✓	✓	✓	✓	✓		
DUP-03		1005		Water			✓	✓	✓	✓	✓		
DUP-04		1100		Water			✓	✓	✓	✓	✓		
FB-01		1235		Water					✓				
FB-02		930		Water					✓				
Trip Blank-01		—		Water						✓			
Trip Blank-02	↓	—	↓	Water						✓			

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx		
Relinquished by:	Date/Time: 12/1/21 1430	Company HMI	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12-2-21 1960	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-212114-1

Login Number: 212114 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7, 0.7, 0.4, 1.4, 0.7, 0.2, 0.4, 0.8°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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Sample Delivery Group: 400-212114-1
Sampling Date: December 1, 2021
Data Reviewer: Katie Abbott **Date Completed:** January 24, 2022
Peer Reviewer: Brian Rothmeyer **Date Completed:** January 25, 2022

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

Field ID	Sample Type	Laboratory ID	Matrix	Analyses			
				VOCs (8260B)	Dissolved Gases (RSK-175)	Metals (6010B)	General Chemistry
ACW-01	SA	400-212144-1	Water	X	X	X[m]	X
ACW-02A	SA	400-212144-2	Water	X	X	X	X
ACW-04	SA	400-212144-3	Water	X	X	X	X[m]
ACW-05	SA	400-212144-4	Water	X	X	X	X
ACW-06	SA	400-212144-5	Water	X	X	X	X
ACW-07	SA	400-212144-6	Water	X	X	X	X
ACW-09	SA	400-212144-7	Water	X	X	X	X
ACW-10	SA	400-212144-8	Water	X	X	X	X
ACW-11	SA	400-212144-9	Water	X	X	X	X
ACW-12	SA	400-212144-10	Water	X	X	X	X
ACW-13	SA	400-212144-11	Water	X	X	X	X[m]
ACW-14	SA	400-212144-12	Water	X[m]	X	X	X
ACW-15	SA	400-212144-13	Water	X	X	X	X
ACW-16	SA	400-212144-14	Water	X	X	X	X
ACW-17	SA	400-212144-15	Water	X	X	X	X
ACW-18	SA	400-212144-16	Water	X[m]	X	X	X
ACW-19	SA	400-212144-17	Water	X	X	X	X
ACW-20	SA	400-212144-18	Water	X	X	X	X
ACW-21	SA	400-212144-19	Water	X	X	X	X
ACW-22	SA	400-212144-20	Water	X	X	X	X
ACW-23	SA	400-212144-21	Water	X	X	X[m]	X
ACW-24	SA	400-212144-22	Water	X	X	X	X
ACW-25	SA	400-212144-23	Water	X	X	X	X
ACW-26	SA	400-212144-24	Water	X	X	X	X
ACW-27	SA	400-212144-25	Water	X	X	X	X
ACW-28	SA	400-212144-26	Water	X	X	X	X
ACW-29	SA	400-212144-27	Water	X	X	X	X
ACW-30S	SA	400-212144-28	Water	X	X	X	X[m]
ACW-30D	SA	400-212144-29	Water	X	X	X	X
ACW-32S	SA	400-212144-30	Water	X	X	X	X
ACW-32D	SA	400-212144-31	Water	X	X	X	X
DOOM WELL	SA	400-212144-32	Water	X	X	X	X
ENSR-01	SA	400-212144-33	Water	X	X	X	X
EPNG-01	SA	400-212144-34	Water	X	X	X	X
FMR OXY WELL	SA	400-212144-35	Water	X	X	X	X
PTP-01	SA	400-212144-36	Water	X	X	X	X
DUP-01	FD	400-212144-37	Water	X	X	X	X
DUP-02	FD	400-212144-38	Water	X	X	X	X
DUP-03	FD	400-212144-39	Water	X	X	X	X

Field ID	Sample Type	Laboratory ID	Matrix	Analyses			
				VOCs (8260B)	Dissolved Gases (RSK-175)	Metals (6010B)	General Chemistry
DUP-04	FD	400-212144-40	Water	X	X	X	X
FB-01	FB	400-212144-41	Water	---	X	---	---
FB-02	FB	400-212144-42	Water	---	X	---	---
TRIP BLANK-01	TB	400-212144-43	Water	X	---	---	---
TRIP BLANK-02	TB	400-212144-44	Water	X	---	---	---

Sample Type: FB – Field Blank FD – Field Duplicate SA – Sample
TB – Trip Blank X^m – Matrix Spike/Matrix Spike Duplicate --- – Not Analyzed

Analyses: General Chemistry – Anions (9056): Bromide, Chloride, Specific Conductivity (120.1), Total Dissolved Solids (SM2540C)
Metals (6010B) – Calcium, Magnesium, Sodium)
RSK-175 – Butane, Ethane, Methane, Propane
VOCs – Volatile Organic Compounds (8260B): Benzene, Ethylbenzene, Toluene, Total Xylenes

This report contains the final results of the data validation conducted for samples collected in December 2021 at the Jal #4 Gas Plant. The sample results were presented in one data package for the data analyses. The data review was performed using guidance set forth in *United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020)*;*USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020); method requirements, and laboratory criteria.

General Overall Assessment:

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

Case Narrative Comments: Any case narrative comments concerning data qualification were noted in the table below.

Trace level detections, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J lq). The other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comments
Chain of Custody & Sample Receipt	Yes	The samples were received by Eurofins Pensacola in good condition and accompanied by a chain of custody (COC). The cooler temperatures upon receipt were within the acceptable criterion of ≤6°C. Data qualification was not necessary.
Holding Times	Yes	The samples were received and analyzed within holding time.
Laboratory Blanks • **Method Blank**	No	With the exception listed in Table 1, target analytes were not detected within the method or calibration blanks.
Matrix Quality Control • **Matrix Spike/ Matrix Spike Duplicate** ACW-01 (Metals ACW-04 (Anions) ACW-13 (Anions) ACW-18 (VOCs) ACW-16 (VOCs) ACW-23 (Metals) ACW-30S (Anions) • **Laboratory Duplicate** ACW-01 (Conductivity, TDS) ACW-13 (Conductivity, TDS) ACW-23 (Conductivity, TDS)	No	**Matrix Spike/Matrix Spike Duplicate (MS/MSD)** The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. **Laboratory Duplicate** With the exception listed in in Table 2, the comparison between results

Review Parameter	Criteria Met?	Comments
ACW-30D (TDS) ACW-32D (Conductivity) DUP-03 (TDS)		of the parent sample and laboratory duplicate met the criteria listed below. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by an RPD meeting laboratory limits. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <1xRL.
Laboratory Performance • **Laboratory Control Sample**	Yes	One laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) per method per analytical batch was prepared and analyzed. The LCS recoveries and LCS/LCSD RPDs were within the laboratory acceptance limits. These results are indicative of an acceptable level of accuracy and precision with respect to the analytical method.
Method Quality Control • **Surrogates**	Yes	Surrogate recoveries for the samples collected for this event met the laboratory control limits.
Field Quality Control • **Trip Blank** TRIP BLANK-01 TRIP BLANK-02 • **Field Blank** FB-01 FB-02 • **Field Duplicate** ACW-32S/DUP-01 ACW-30D/DUP-02 ACW-20/DUP-03 ACW-29/DUP-04	No	**Trip Blank (Volatile Organic Compounds)** Target analytes were not detected in the trip blank. **Field Blank (RSK-175)** Target analytes were not detected in the field blank. **Field Duplicate** The following concentration – dependent criteria were used to evaluate field duplicates: • If one or both results were ≤5x the RL, then the absolute difference between the results should agree within ±2xRL. • If both results were ≥5xRL, then the RPD should be ≤30%. With the exceptions listed in Table 3, the field duplicate pair results satisfied the applicable evaluation criteria.
Method Quantitation Limits Met?	No	Several results were reported as non-detect at elevated reporting limits. These resutls will need to be evaluated by the end user of the data with respect to project objectives.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

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

LCS – Laboratory Control Sample
LCSD – Laboratory Control Sample Duplicate
MS/MSD – Matrix Spike/Matrix Spike Duplicate
RPDs – Relative Percent Differences
RL– Sample Reporting Limit
RSK – Robert S. Kerr
VOCs – Volatile Organic Compounds

Table 1: Blank Outliers and Resultant Data Qualification

Associated Samples	Analyte	Concentration	Qualification
Metals			
MB 400-558497/1-A ACW-01 ACW-02A ACW-04 ACW-05 ACW-06 ACW-07 ACW-09 ACW-10 ACW-11 ACW-12 ACW-13 ACW-14 ACW-15 ACW-16 ACW-17 ACW-18 ACW-19 ACW-20 ACW-21 ACW-22	Magnesium	0.188 mg/L	None. The associated sample results were reported as non-detect or at concentrations >5x the concentration of the blank contamination.

> – Greater Than MB – Method Blank mg/L – Milligrams per Liter

Table 2: Laboratory Duplicate Outliers and Resultant Data Qualification

Field Sample/ Laboratory Duplicate	Analyte	Sample Result (mg/L)	LD Result (mg/L)	RPD	Qualification
General Chemistry					
ACW-30D	TDS	44000	57500	**27** (5)	As laboratory duplicate was reported outside of control limits, the associated result was qualified as estimated (J ld).

< – Less Than µg/Kg – Micrograms per Kilogram % – Percent
LD – Laboratory Duplicate RPD – Relative Percent Difference
Qualifiers
J – Estimated
Reason Codes
ld – Laboratory duplicate RPD outside of control limits.

Table 3: Field Duplicate Outliers and Resultant Data Qualification

Field Sample/ Field Duplicate	Analyte	Sample Result	FD Result	Criteria not Met	Qualification
RSK-175					
ACW-32S/DUP-01	Methane	3.3 mg/L	7.7 mg/L	Absolute Difference >2xRL	As the field duplicate was reported outside of control limits, the associated results were qualified as estimated (J fd).
Metals					
ACW-20/DUP-03	Calcium	130 mg/L	1100 mg/L	RPD >30%	As the field duplicate was reported outside of control limits, the associated results were qualified as estimated (J fd).
	Magnesium	56 mg/L	500 mg/L		
	Sodium	2800 mg/L	200 mg/L		
General Chemistry					
ACW-32S/DUP-01	Total Dissolved Solids	4100 mg/L	2400 mg/L	RPD >30%	As the field duplicate was reported outside of control limits, the associated results were qualified as estimated (J fd).
ACW-30D/DUP-02	Specific Conductance	41000 umhos/cm	410000 umhos/cm		

% – Percent
> – Greater Than
FD – Field Duplicate
mg/L – Milligrams per Liter
RL – Reporting Limit
RPD – Relative Percent Difference
RSK – Robert S. Kerr
umhos/cm – micromhos per centimeter

Qualifiers
J – Estimated

Reason Codes
fd – Field duplicate RPD outside of control limits.

Attachment A - Summary of Qualification
Kinder Morgan Jal #4 Gas Plant

Data Package	Sample ID	Laboratory ID	Method	Analyte	Flag	Reason Code
400-212114-1	ACW-01	400-212114-1	8260B	Ethylbenzene	J	lq
400-212114-1	ACW-12	400-212114-10	9056	Bromide	J	lq
400-212114-1	ACW-13	400-212114-11	9056	Bromide	J	lq
400-212114-1	ACW-17	400-212114-15	8260B	Benzene	J	lq
400-212114-1	ACW-18	400-212114-16	8260B	Benzene	J	lq
400-212114-1	ACW-19	400-212114-17	9056	Bromide	J	lq
400-212114-1	ACW-19	400-212114-17	8260B	Xylenes, Total	J	lq
400-212114-1	ACW-20	400-212114-18	6010B	Calcium	J	fd
400-212114-1	ACW-20	400-212114-18	6010B	Magnesium	J	fd
400-212114-1	ACW-20	400-212114-18	6010B	Sodium	J	fd
400-212114-1	ACW-20	400-212114-18	8260B	Xylenes, Total	J	lq
400-212114-1	ACW-21	400-212114-19	9056	Bromide	J	lq
400-212114-1	ACW-21	400-212114-19	8260B	Ethylbenzene	J	lq
400-212114-1	ACW-21	400-212114-19	8260B	Toluene	J	lq
400-212114-1	ACW-02A	400-212114-2	6010B	Calcium	J	lq
400-212114-1	ACW-22	400-212114-20	9056	Bromide	J	lq
400-212114-1	ACW-23	400-212114-21	9056	Bromide	J	lq
400-212114-1	ACW-25	400-212114-23	9056	Bromide	J	lq
400-212114-1	ACW-26	400-212114-24	9056	Bromide	J	lq
400-212114-1	ACW-27	400-212114-25	9056	Bromide	J	lq
400-212114-1	ACW-27	400-212114-25	8260B	Benzene	J	lq
400-212114-1	ACW-28	400-212114-26	9056	Bromide	J	lq
400-212114-1	ACW-29	400-212114-27	9056	Bromide	J	lq
400-212114-1	ACW-30S	400-212114-28	9056	Bromide	J	lq
400-212114-1	ACW-30D	400-212114-29	120.1	Specific Conductance	J	fd
400-212114-1	ACW-30D	400-212114-29	9056	Bromide	J	lq
400-212114-1	ACW-30D	400-212114-29	SM 2540C	Total Dissolved Solids	J	ld
400-212114-1	ACW-04	400-212114-3	8260B	Toluene	J	lq
400-212114-1	ACW-04	400-212114-3	8260B	Xylenes, Total	J	lq
400-212114-1	ACW-32S	400-212114-30	9056	Bromide	J	lq
400-212114-1	ACW-32S	400-212114-30	RSK-175	Methane	J	fd
400-212114-1	ACW-32S	400-212114-30	SM 2540C	Total Dissolved Solids	J	fd
400-212114-1	DOOM WELL	400-212114-32	9056	Bromide	J	lq
400-212114-1	ENSR-01	400-212114-33	8260B	Toluene	J	lq
400-212114-1	ENSR-01	400-212114-33	8260B	Xylenes, Total	J	lq
400-212114-1	EPNG-01	400-212114-34	9056	Bromide	J	lq
400-212114-1	FMR OXY WELL	400-212114-35	9056	Bromide	J	lq
400-212114-1	PTP-01	400-212114-36	9056	Bromide	J	lq
400-212114-1	PTP-01	400-212114-36	8260B	Benzene	J	lq
400-212114-1	PTP-01	400-212114-36	8260B	Xylenes, Total	J	lq
400-212114-1	DUP-01	400-212114-37	9056	Bromide	J	lq
400-212114-1	DUP-01	400-212114-37	RSK-175	Methane	J	fd
400-212114-1	DUP-01	400-212114-37	SM 2540C	Total Dissolved Solids	J	fd
400-212114-1	DUP-02	400-212114-38	120.1	Specific Conductance	J	fd
400-212114-1	DUP-02	400-212114-38	9056	Bromide	J	lq
400-212114-1	DUP-02	400-212114-38	8260B	Toluene	J	lq
400-212114-1	DUP-03	400-212114-39	6010B	Calcium	J	fd
400-212114-1	DUP-03	400-212114-39	6010B	Magnesium	J	fd
400-212114-1	DUP-03	400-212114-39	6010B	Sodium	J	fd
400-212114-1	DUP-03	400-212114-39	8260B	Xylenes, Total	J	lq
400-212114-1	ACW-05	400-212114-4	8260B	Ethylbenzene	J	lq
400-212114-1	DUP-04	400-212114-40	9056	Bromide	J	lq
400-212114-1	DUP-04	400-212114-40	8260B	Benzene	J	lq
400-212114-1	ACW-06	400-212114-5	9056	Bromide	J	lq
400-212114-1	ACW-06	400-212114-5	6010B	Magnesium	J	lq

Attachment A - Summary of Qualification
Kinder Morgan Jal #4 Gas Plant

Data Package	Sample ID	Laboratory ID	Method	Analyte	Flag	Reason Code
400-212114-1	ACW-09	400-212114-7	9056	Bromide	J	lq
400-212114-1	ACW-11	400-212114-9	9056	Bromide	J	lq

ID - Identification
J - Estimated
fd - Field duplicate imprecision
ld - Laboratory duplicate imprecision
lq - Trace value

AECOM

Appendix D

Recovery Well Boring Logs and Well Completion Diagrams

March 2022

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 1 of 7

Date(s) Drilled:	**11/18/2021 through 11/22/2021**	Logged By:	**Rick Smith**	Checked By:	**Andy Messer**
Drilling Contractor:	**Cascade**	Drill Rig Type:	**LS-600**	Total Depth of Borehole:	**177 feet**
Drilling Method: Bit Size/Type:	**10-inch**	Hammer Information:	**Not Applicable**	Surface Elevation:	**3299**
Sampling Method(s):	**6-inch core barrel**	Borehole Backfill:	**Neat Cement Grout**	Groundwater Level and Date Measured:	**Not Applicable**
Location:	**32.253825 (degrees latitude) 103.18714 (degrees longitude)**			Survey Datum:	**UTM**

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	0						Upper 10.5 feet of boring advanced with hydrovac
							Silty sand and caliche
3295	5	SM					
3290	10	ML	80	20	0		Silt with sand, fine, reddish yellow (5 YR 6/6), dry, and caliche nodules, soft-hard, strong hcl reaction
3285	15						(17.5'-22.5') mostly caliche
3280	20						
3275	25						Silt with sand, fine, reddish yellow (5 YR 6/6), dry, and caliche nodules, soft-hard, strong hcl reaction (cont.)

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 2 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	25						Silt with sand, fine, reddish yellow (5 YR 6/6), dry, and caliche nodules, soft-hard, strong hcl reaction (cont.)
3270	30						(30'-45') mostly caliche
3265	35						
3260	40						
3255	45	SM	45	55	0		Silty sand, fine, pink (7.5 YR 7/3), dry, moderate to strong hcl reaction
3250	50	ML	90	10	0		(49'-55') mostly caliche
3245	55						

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 3 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	55	SM	45	55	0		Silty sand, fine, pink (7.5 YR 7/4), dry, moderate to strong hcl reaction
3240							
	60	ML	90	10	0		Silt, fine, pinkish white (7.5 YR 8/2), dry, strong hcl reaction Mostly caliche
3235							
	65	ML	75	25	0		Silt with sand, fine, reddish yellow (7.5 YR 6/6), dry, weak hcl reaction
3230							
	70	SILTSTONE	-	-	-		Siltstone/sandstone, fine, yellowish red (5 YR 5/6), cemented, very strong, no hcl reaction
		ML	75	25	0		Silt with sand, fine, reddish yellow (7.5 YR 5/6), dry, weak hcl reaction
3225							
	75	ML	90	10	0		Silt, fine, pinkish white (7.5 YR 8/2), dry, moderate hcl reaction Mostly caliche
3220							
	80						
3215		SILTSTONE	-	-	-		Siltstone/sandstone, fine, yellowish red (5 YR 5/6), cemented, very strong, no hcl reaction
	85						

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 4 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	85	ML	90	10	0		As above Siltstone Silt, fine, reddish yellow (7.5 YR 7/6), dry, moderate hcl reaction, with soft caliche nodules
3210	90						
3205	95	ML	90	10	0		Silt, fine, reddish yellow (5 YR 6/6), moist, weak hcl reaction
3200	100						
3195	105	SC	45	55	0		Clayey sand, fine, strong brown (7.5 YR 5/6), moist, no hcl reaction
		ML	90	10	0		Silt, fine, reddish yellow (5 YR 6/6), moist, no hcl reaction
3190	110						
3185	115						

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 5 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	115						As above silt, very moist to wet
3180							
	120						
3175							
	125	ML	90	10	0		
3170							
	130						
3165							
	135	ML	90	10	0		
3160							
	140						Cascade modifying 8" bit to hold silt. Keeps falling out of barrel, wet
3155							
	145						

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

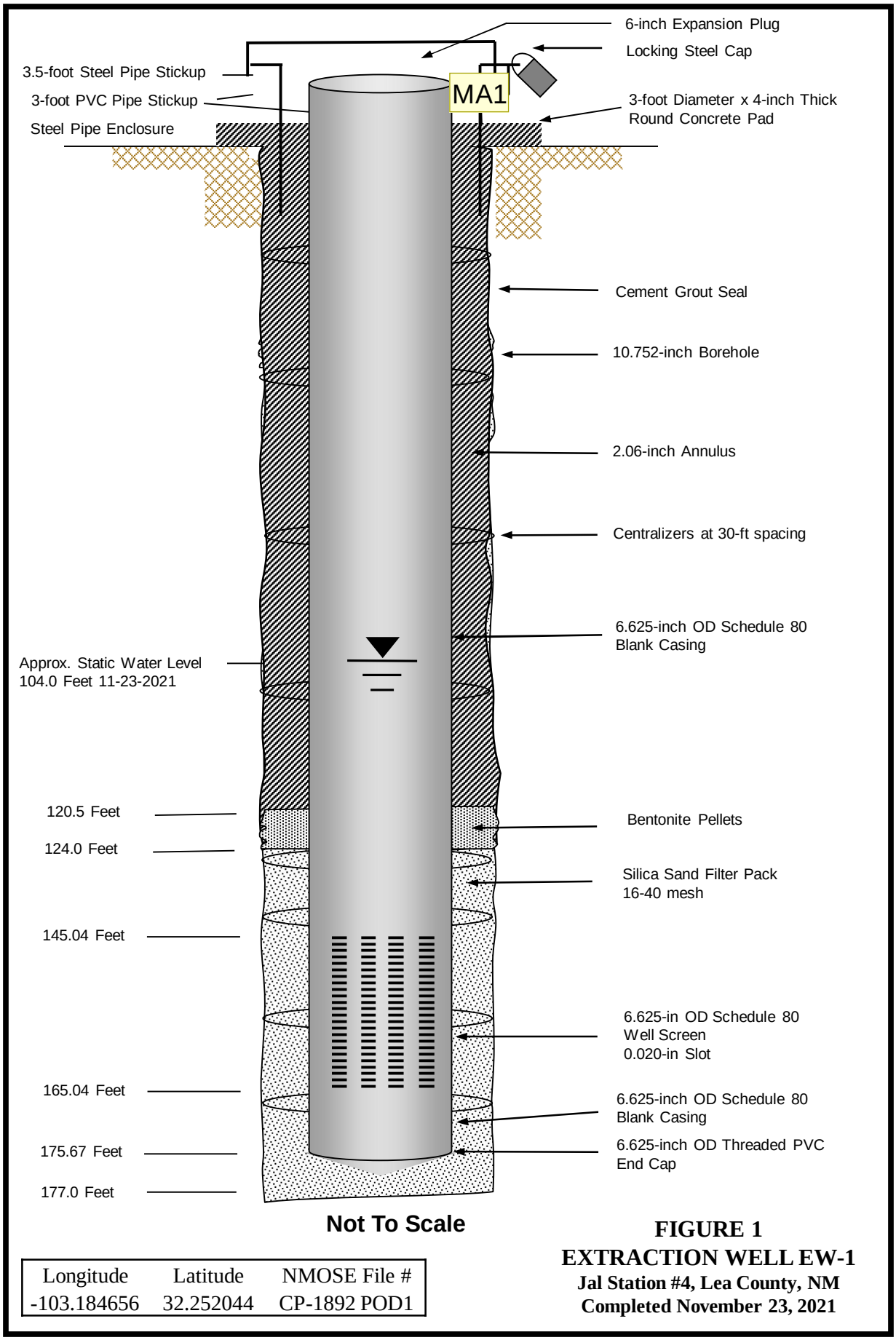
Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	145	ML	95	5	0		Silt, fine, reddish yellow (5 YR 6/6), moist, no hcl reaction (cont.)
3150	150						
3145	155	ML	95	5	0		Note: increases in clay 90' of 157', no USCS change, 10-15% clay
3140	160						
3135	165	CL	100	0	0		Clay, red (2.5 YR 4/8), dry, very firm
3130	170						
3125	175						

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-01

Sheet 7 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
	175						Clay, red (2.5 YR 4/8), dry, very firm (cont.)
							TOTAL DEPTH IS 177 FEET BELOW GROUND SURFACE
3120							
3115							
3110							
3105							
3100							
3095							



Longitude	Latitude	NMOSE File #
-103.184656	32.252044	CP-1892 POD1

FIGURE 1
EXTRACTION WELL EW-1
Jal Station #4, Lea County, NM
Completed November 23, 2021

Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 1 of 7

Date(s) Drilled:	11/9/2021 through 11/15/2021	Logged By:	Rick Smith	Checked By:	Andy Messer
Drilling Contractor:	Cascade	Drill Rig Type:	LS-600	Total Depth of Borehole:	178 feet
Drilling Method: Bit Size/Type:	10-inch	Hammer Information:	Not Applicable	Surface Elevation:	3300
Sampling Method(s):	6-inch core barrel	Borehole Backfill:	Neat Cement Grout	Groundwater Level and Date Measured:	Not Applicable
Location:	32.254661 (degrees latitude) 103.186797 (degrees longitude)			Survey Datum:	UTM

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3300	0						Upper 10.5 feet of boring advanced with hydrovac Silty sand and caliche nodules
3295	5	SM					
3290	10	SM	30	70	0		Silty sand, fine, reddish yellow (5 YR 6/6), moist, minor caliche nodules (medium to coarse sand)
3285	15	NR					(NO RECOVERY 15'-22.5')
3280	20	SM	35	63	2		Silty sand, fine, reddish yellow (5 YR 6/6), moist to dry, 2% caliche, medium sand up to cobble (5" max)
3275	25						

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 2 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3275	25	NR					(NO RECOVERY 25'-32.5')
3270	30	SC	30	70	0		Clayey sand, fine, pink (5 YR 7/4), moist, low plasticity
3265	35	SM	45	55	0		Silty sand, fine, pink (5 YR 7/4), dry, soft caliche modules, strong hcl reaction
3260	40						
3255	45						
3250	50	SM	30	70	0		Silty sand, fine, pinkish white (7.5 YR 8/2), dry, less caliche, strong hcl reaction
3245	55						

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 3 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3245	55						Silty sand, fine, pinkish white (7.5 YR 8/2), dry, less caliche, strong hcl reaction (cont.)
3240	60	ML	85	15	0		Silt with sand, fine, pink (5 YR 7/4), dry, with soft caliche, strong hcl reaction
3235	65	CL	70	30	0		Lean clay with sand, fine, light brown (7.5 YR 6/3), dry, low plasticity, no hcl reaction
3230	70	ML	90	10	0		Silt, fine, light reddish brown (5 YR 6/4), dry with soft caliche, strong hcl reaction
3225	75						
3220	80	ML	75	25	0		Silt with sand, fine, light reddish brown (5 YR 6/4), dry, minimal soft caliche, weak hcl reaction
3215	85						

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 4 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3215	85						Silt with sand, fine, light reddish brown (5 YR 6/4), dry, minimal soft caliche, weak hcl reaction (cont.)
3210	90	SILTSTONE	-	-	-		Siltstone/sandstone, fine, yellowish red (5 YR 5/6), cemented very strong, no hcl reaction
3205	95	ML	75	25	0		Silt with sand, fine, reddish brown (5 YR 6/4), slightly moist, strong hcl reaction
3200	100						
3195	105	SILTSTONE	-	-	-		Siltstone/sandstone, fine, yellowish red (5 YR 5/6), cemented, very strong with caliche, no hcl reaction, caliche has strong hcl reaction Silty sand, fine, brown (7.5 YR 5/4), wet, soft no hcl reaction
3190	110	SILTSTONE ML	- 95	- 5	- 0		Siltstone/sandstone, fine, yellowish red (5 YR 5/6), cemented, very strong, no hcl reaction Silt, fine, yellowish red (5YR 5/6), wet, soft, no hcl reaction
3185	115						

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 5 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3185	115						Silt, fine, yellowish red (5YR 5/6), wet, soft, no hcl reaction (cont.)
3180	120						
3175	125						
3170	130						
3165	135						
3160	140						
3155	145						Silt, fine, yellowish red (5YR 5/6), wet, soft, no hcl reaction (cont.)

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 6 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3155	145	ML	95	5	0		Silt, fine, yellowish red (5YR 5/6), wet, soft, no hcl reaction (cont.)
3150	150						
3145	155	ML	95	5	0		Silt, fine, reddish yellow (5 YR 6/6)
							Note: increase in clay percentage at 158', no USCS change, 5-10% clay
3140	160						
3135	165	CL	100	0	0		Clay, red (2.5 YR 4/8), dry, very firm
3130	170						
3125	175						

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Project: 2021 Soil Borings
Project Location: Jal, Lea County, Highway 18, NM
Project Number: 60670668

Log of Boring EW-02

Sheet 7 of 7

Elevation feet	Depth, feet	USCS FIELD	% SIEVES FIELD SAMPLE % FINES	% SAND	% GRAVEL	Graphic Log	MATERIAL DESCRIPTION
3125	175						Clay, red (2.5 YR 4/8), dry, very firm (cont.)
							TOTAL DEPTH IS 178 FEET BELOW GROUND SURFACE
3120							
3115							
3110							
3105							
3100							
3095							

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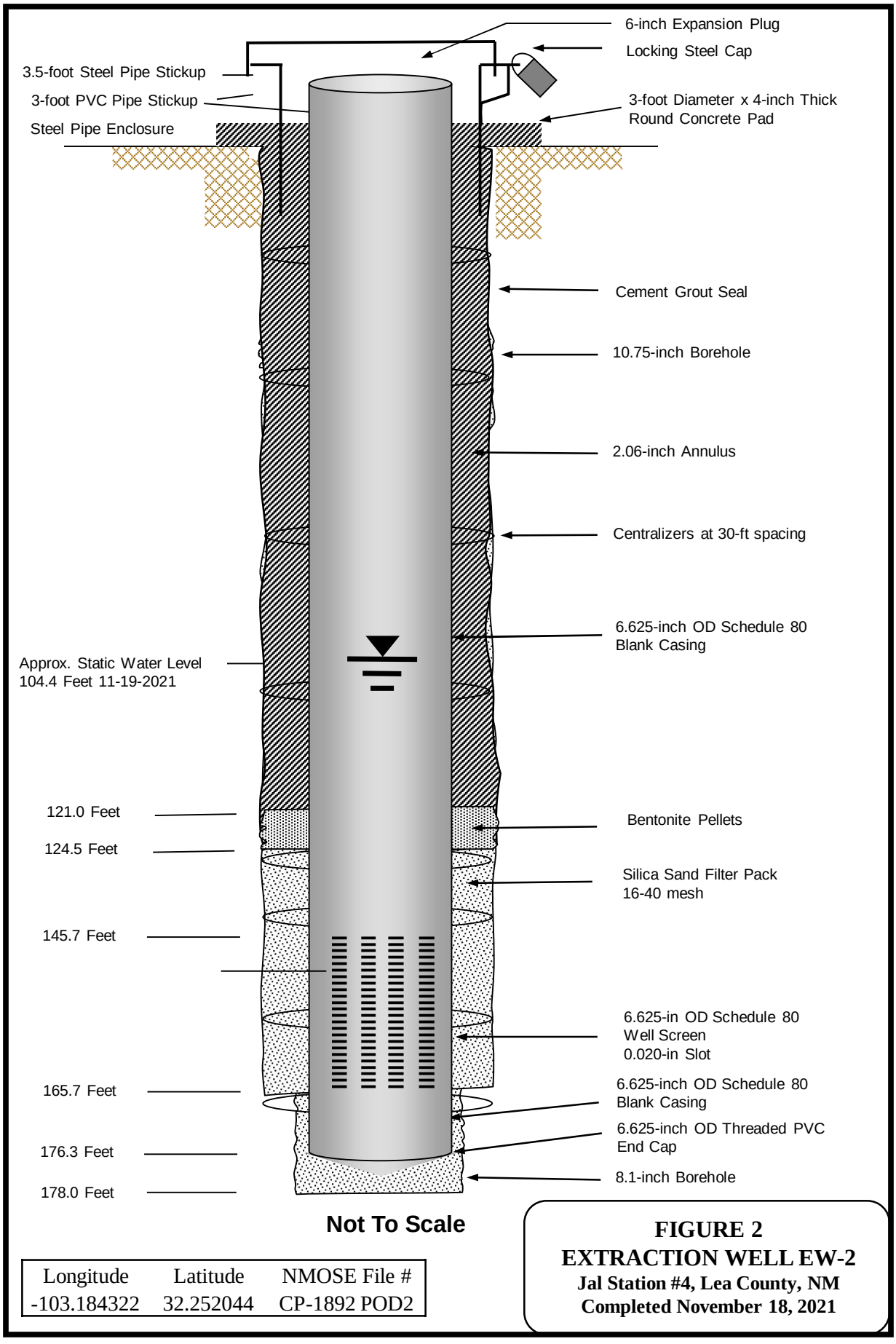

Longitude	Latitude	NMOSE File #
-103.184322	32.252044	CP-1892 POD2

FIGURE 2
EXTRACTION WELL EW-2
Jal Station #4, Lea County, NM
Completed November 18, 2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 94910

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 94910
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of the 2021 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 March 31, 2023. 3. OCD suggest direct communication to discuss abatement option(s) to address those wells with elevated benzene, chloride, and TDS levels. Please contact OCD's Incident Group personnel to arrange scheduled meeting by December 30, 2022.	10/28/2022