

Electric Energy, Inc.
1500 Eastport Plaza Drive
Collinsville, IL 62234

July 26, 2025

Illinois Environmental Protection Agency
Bureau of Land – MC#33
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794

Re: Joppa Power Plant East Ash Pond; IEPA ID # W1270100004-02

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Electric Energy, Inc. is submitting groundwater monitoring data for the Quarter 2, 2025 sampling event at the Joppa Power Plant East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1270100004-02. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

A Corrective Measures Assessment (CMA) for the East Ash Pond was initiated on November 20, 2023, completed, and submitted to IEPA on April 18, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which ultimately selects a remedy to address all releases from the East Ash Pond. The selected remedy meets the performance standards of 35 I.A.C. § 845.670(d). A public meeting was held on March 19, 2025, prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d), and a Corrective Action Plan was submitted to IEPA on April 16, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,



Dianna Tickner, PE, PMP
Senior Director, Demolition and Decommission

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2025, East Ash Pond, Joppa Power Plant, Joppa, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or GWPSs as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Electric Energy, Inc. operating permit application for Joppa Power Plant East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Electric Energy, Inc. has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D) GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹ QUARTER 2, 2025 EAST ASH POND, JOPPA POWER PLANT, JOPPA, ILLINOIS

July 26, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on May 27, 2025.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2025 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2025 sampling event.

Staff gage location SG02 was abandoned after installation of SG03, which monitors the same surface water body, and surface water levels are now obtained from staff gage SG03. Updates to the Groundwater Monitoring Plan² will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan) constituent concentrations observed at compliance monitoring wells in Quarter 2, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration³ (ASD) was submitted on October 21, 2023 for the exceedances of the cobalt and pH GWPSs detected at monitoring wells G05, G11, and G51D during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on November 16, 2023⁴ that did not concur with the ASD. The non-concurrence was appealed, and on February 1, 2024, the Illinois Pollution Control Board granted the requests to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance(s)

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc. operating permit application for Joppa East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Electric Energy, Inc. has not identified any actual exceedances.

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. East Ash Pond. Joppa Power Plant. Joppa, Illinois. October 25, 2021.*

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, East Ash Pond, Joppa Power Plant, Joppa, IL, IEPA ID: W1270100004-02.* April 18, 2024.

⁴ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Dianna Tickner (Electric Energy, Inc.), Re: Joppa Power Plant East Ash Pond; W1270100004-02, Alternative Source Demonstration (ASD) Submittal.* November 16, 2023.

of cobalt and pH GWPSs at monitoring wells G05, G11, and G51D. Therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 2, 2025
Table 2	Evaluation of Compliance - Quarter 2, 2025

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 2, 2025
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 2, 2025
Attachment C	Comparison to Background - Quarter 2, 2025

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E009	04/21/2025	Antimony, total	0.0009 J	mg/L
G01D	Background	E009	04/21/2025	Arsenic, total	0.00890	mg/L
G01D	Background	E009	04/21/2025	Barium, total	0.405	mg/L
G01D	Background	E009	04/21/2025	Beryllium, total	0.00130	mg/L
G01D	Background	E009	04/21/2025	Boron, total	0.0092 UJ	mg/L
G01D	Background	E009	04/21/2025	Cadmium, total	0.0002 J	mg/L
G01D	Background	E009	04/21/2025	Calcium, total	41.4	mg/L
G01D	Background	E009	04/21/2025	Chloride, total	12.0	mg/L
G01D	Background	E009	04/21/2025	Chromium, total	0.0487	mg/L
G01D	Background	E009	04/21/2025	Cobalt, total	0.0308	mg/L
G01D	Background	E009	04/21/2025	Dissolved Oxygen	0.750	mg/L
G01D	Background	E009	04/21/2025	Fluoride, total	0.26 J	mg/L
G01D	Background	E009	04/21/2025	Lead, total	0.0185	mg/L
G01D	Background	E009	04/21/2025	Lithium, total	0.0128	mg/L
G01D	Background	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G01D	Background	E009	04/21/2025	Molybdenum, total	0.00280	mg/L
G01D	Background	E009	04/21/2025	Oxidation Reduction Potential	49.0	mV
G01D	Background	E009	04/21/2025	pH (field)	6.5	SU
G01D	Background	E009	04/21/2025	Radium 226 + Radium 228, total	1.25	pCi/L
G01D	Background	E009	04/21/2025	Selenium, total	0.0008 J	mg/L
G01D	Background	E009	04/21/2025	Specific Conductance @ 25C (field)	525	micromhos/cm
G01D	Background	E009	04/21/2025	Sulfate, total	42.2	mg/L
G01D	Background	E009	04/21/2025	Temperature	16.4	degrees C
G01D	Background	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G01D	Background	E009	04/21/2025	Total Dissolved Solids	500 J	mg/L
G01D	Background	E009	04/21/2025	Turbidity, field	86.0	NTU
G02D	Background	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G02D	Background	E009	04/21/2025	Arsenic, total	0.0004 U	mg/L
G02D	Background	E009	04/21/2025	Barium, total	0.187	mg/L
G02D	Background	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G02D	Background	E009	04/21/2025	Boron, total	0.0092 UJ	mg/L
G02D	Background	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G02D	Background	E009	04/21/2025	Calcium, total	36.5	mg/L
G02D	Background	E009	04/21/2025	Chloride, total	16.7	mg/L
G02D	Background	E009	04/21/2025	Chromium, total	0.0007 UJ	mg/L
G02D	Background	E009	04/21/2025	Cobalt, total	0.0001 U	mg/L
G02D	Background	E009	04/21/2025	Dissolved Oxygen	3.56	mg/L
G02D	Background	E009	04/21/2025	Fluoride, total	0.17 J	mg/L
G02D	Background	E009	04/21/2025	Lead, total	0.0006 U	mg/L
G02D	Background	E009	04/21/2025	Lithium, total	0.0015 U	mg/L
G02D	Background	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G02D	Background	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G02D	Background	E009	04/21/2025	Oxidation Reduction Potential	71.0	mV
G02D	Background	E009	04/21/2025	pH (field)	6.3	SU
G02D	Background	E009	04/21/2025	Radium 226 + Radium 228, total	0.584	pCi/L
G02D	Background	E009	04/21/2025	Selenium, total	0.00180	mg/L

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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E009	04/21/2025	Specific Conductance @ 25C (field)	422	micromhos/cm
G02D	Background	E009	04/21/2025	Sulfate, total	15.4	mg/L
G02D	Background	E009	04/21/2025	Temperature	15.7	degrees C
G02D	Background	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G02D	Background	E009	04/21/2025	Total Dissolved Solids	224 J+	mg/L
G02D	Background	E009	04/21/2025	Turbidity, field	1.50	NTU
G03	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G03	Compliance	E009	04/21/2025	Arsenic, total	0.00290	mg/L
G03	Compliance	E009	04/21/2025	Barium, total	0.0582	mg/L
G03	Compliance	E009	04/21/2025	Beryllium, total	0.0006 J	mg/L
G03	Compliance	E009	04/21/2025	Boron, total	0.298	mg/L
G03	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G03	Compliance	E009	04/21/2025	Calcium, total	52.0	mg/L
G03	Compliance	E009	04/21/2025	Chloride, total	28.2	mg/L
G03	Compliance	E009	04/21/2025	Chromium, total	0.0162	mg/L
G03	Compliance	E009	04/21/2025	Cobalt, total	0.00790	mg/L
G03	Compliance	E009	04/21/2025	Dissolved Oxygen	1.74	mg/L
G03	Compliance	E009	04/21/2025	Fluoride, total	0.19 J	mg/L
G03	Compliance	E009	04/21/2025	Lead, total	0.00340	mg/L
G03	Compliance	E009	04/21/2025	Lithium, total	0.00350	mg/L
G03	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G03	Compliance	E009	04/21/2025	Molybdenum, total	0.0009 J	mg/L
G03	Compliance	E009	04/21/2025	Oxidation Reduction Potential	87.0	mV
G03	Compliance	E009	04/21/2025	pH (field)	6.3	SU
G03	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.35	pCi/L
G03	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G03	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	599	micromhos/cm
G03	Compliance	E009	04/21/2025	Sulfate, total	99.1	mg/L
G03	Compliance	E009	04/21/2025	Temperature	18.4	degrees C
G03	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G03	Compliance	E009	04/21/2025	Total Dissolved Solids	410	mg/L
G03	Compliance	E009	04/21/2025	Turbidity, field	46.0	NTU
G05	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G05	Compliance	E009	04/21/2025	Arsenic, total	0.00190	mg/L
G05	Compliance	E009	04/21/2025	Barium, total	0.215	mg/L
G05	Compliance	E009	04/21/2025	Beryllium, total	0.0003 J	mg/L
G05	Compliance	E009	04/21/2025	Boron, total	0.0521 J+	mg/L
G05	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G05	Compliance	E009	04/21/2025	Calcium, total	52.4	mg/L
G05	Compliance	E009	04/21/2025	Chloride, total	20.2	mg/L
G05	Compliance	E009	04/21/2025	Chromium, total	0.0118 J+	mg/L
G05	Compliance	E009	04/21/2025	Cobalt, total	0.00620	mg/L
G05	Compliance	E009	04/21/2025	Dissolved Oxygen	0.910	mg/L
G05	Compliance	E009	04/21/2025	Fluoride, total	0.38 J	mg/L
G05	Compliance	E009	04/21/2025	Lead, total	0.00310	mg/L
G05	Compliance	E009	04/21/2025	Lithium, total	0.00460	mg/L

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845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G05	Compliance	E009	04/21/2025	Molybdenum, total	0.00510	mg/L
G05	Compliance	E009	04/21/2025	Oxidation Reduction Potential	102	mV
G05	Compliance	E009	04/21/2025	pH (field)	6.4	SU
G05	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.992	pCi/L
G05	Compliance	E009	04/21/2025	Selenium, total	0.00100	mg/L
G05	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	628	micromhos/cm
G05	Compliance	E009	04/21/2025	Sulfate, total	89.2	mg/L
G05	Compliance	E009	04/21/2025	Temperature	18.1	degrees C
G05	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G05	Compliance	E009	04/21/2025	Total Dissolved Solids	432	mg/L
G05	Compliance	E009	04/21/2025	Turbidity, field	36.0	NTU
G06	Compliance	E009	04/21/2025	Antimony, total	0.0005 J	mg/L
G06	Compliance	E009	04/21/2025	Arsenic, total	0.00710	mg/L
G06	Compliance	E009	04/21/2025	Barium, total	0.0917	mg/L
G06	Compliance	E009	04/21/2025	Beryllium, total	0.0008 J	mg/L
G06	Compliance	E009	04/21/2025	Boron, total	3.32	mg/L
G06	Compliance	E009R	06/09/2025	Boron, total	2.49	mg/L
G06	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G06	Compliance	E009	04/21/2025	Calcium, total	81.4	mg/L
G06	Compliance	E009R	06/09/2025	Calcium, total	75.7	mg/L
G06	Compliance	E009	04/21/2025	Chloride, total	17.8	mg/L
G06	Compliance	E009R	06/09/2025	Chloride, total	15.8	mg/L
G06	Compliance	E009	04/21/2025	Chromium, total	0.0347	mg/L
G06	Compliance	E009	04/21/2025	Cobalt, total	0.00840	mg/L
G06	Compliance	E009	04/21/2025	Dissolved Oxygen	1.65	mg/L
G06	Compliance	E009R	06/09/2025	Dissolved Oxygen	1.35	mg/L
G06	Compliance	E009	04/21/2025	Fluoride, total	0.27 J	mg/L
G06	Compliance	E009R	06/09/2025	Fluoride, total	0.25 J	mg/L
G06	Compliance	E009	04/21/2025	Lead, total	0.00960	mg/L
G06	Compliance	E009	04/21/2025	Lithium, total	0.0100	mg/L
G06	Compliance	E009	04/21/2025	Mercury, total	0.00018 J	mg/L
G06	Compliance	E009	04/21/2025	Molybdenum, total	0.00170	mg/L
G06	Compliance	E009	04/21/2025	Oxidation Reduction Potential	67.0	mV
G06	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	158	mV
G06	Compliance	E009	04/21/2025	pH (field)	6.5	SU
G06	Compliance	E009R	06/09/2025	pH (field)	6.4	SU
G06	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.34	pCi/L
G06	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G06	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	673	micromhos/cm
G06	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	712	micromhos/cm
G06	Compliance	E009	04/21/2025	Sulfate, total	175	mg/L
G06	Compliance	E009R	06/09/2025	Sulfate, total	167	mg/L
G06	Compliance	E009	04/21/2025	Temperature	17.1	degrees C
G06	Compliance	E009R	06/09/2025	Temperature	19.2	degrees C
G06	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L

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JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G06	Compliance	E009	04/21/2025	Total Dissolved Solids	640	mg/L
G06	Compliance	E009R	06/09/2025	Total Dissolved Solids	562	mg/L
G06	Compliance	E009	04/21/2025	Turbidity, field	480	NTU
G06	Compliance	E009R	06/09/2025	Turbidity, field	36.0	NTU
G07	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G07	Compliance	E009	04/21/2025	Arsenic, total	0.00630	mg/L
G07	Compliance	E009	04/21/2025	Barium, total	0.209	mg/L
G07	Compliance	E009	04/21/2025	Beryllium, total	0.00120	mg/L
G07	Compliance	E009	04/21/2025	Boron, total	4.65	mg/L
G07	Compliance	E009R	06/10/2025	Boron, total	3.91	mg/L
G07	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G07	Compliance	E009	04/21/2025	Calcium, total	102	mg/L
G07	Compliance	E009R	06/10/2025	Calcium, total	86.8	mg/L
G07	Compliance	E009	04/21/2025	Chloride, total	18.1	mg/L
G07	Compliance	E009R	06/10/2025	Chloride, total	15.9	mg/L
G07	Compliance	E009	04/21/2025	Chromium, total	0.0441	mg/L
G07	Compliance	E009	04/21/2025	Cobalt, total	0.00560	mg/L
G07	Compliance	E009	04/21/2025	Dissolved Oxygen	0.910	mg/L
G07	Compliance	E009R	06/10/2025	Dissolved Oxygen	0.830	mg/L
G07	Compliance	E009	04/21/2025	Fluoride, total	0.49 J	mg/L
G07	Compliance	E009R	06/10/2025	Fluoride, total	0.4 J	mg/L
G07	Compliance	E009	04/21/2025	Lead, total	0.00780	mg/L
G07	Compliance	E009	04/21/2025	Lithium, total	0.00850	mg/L
G07	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G07	Compliance	E009	04/21/2025	Molybdenum, total	0.00170	mg/L
G07	Compliance	E009	04/21/2025	Oxidation Reduction Potential	76.0	mV
G07	Compliance	E009R	06/10/2025	Oxidation Reduction Potential	129	mV
G07	Compliance	E009	04/21/2025	pH (field)	6.3	SU
G07	Compliance	E009R	06/10/2025	pH (field)	6.1	SU
G07	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.17	pCi/L
G07	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G07	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	888	micromhos/cm
G07	Compliance	E009R	06/10/2025	Specific Conductance @ 25C (field)	869	micromhos/cm
G07	Compliance	E009	04/21/2025	Sulfate, total	310	mg/L
G07	Compliance	E009R	06/10/2025	Sulfate, total	250	mg/L
G07	Compliance	E009	04/21/2025	Temperature	16.9	degrees C
G07	Compliance	E009R	06/10/2025	Temperature	16.6	degrees C
G07	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G07	Compliance	E009	04/21/2025	Total Dissolved Solids	888	mg/L
G07	Compliance	E009R	06/10/2025	Total Dissolved Solids	638	mg/L
G07	Compliance	E009	04/21/2025	Turbidity, field	260	NTU
G07	Compliance	E009R	06/10/2025	Turbidity, field	99.0	NTU
G08	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G08	Compliance	E009	04/21/2025	Arsenic, total	0.00400	mg/L
G08	Compliance	E009	04/21/2025	Barium, total	0.0509	mg/L
G08	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L

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JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G08	Compliance	E009	04/21/2025	Boron, total	4.22	mg/L
G08	Compliance	E009R	06/09/2025	Boron, total	5.40	mg/L
G08	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G08	Compliance	E009	04/21/2025	Calcium, total	115	mg/L
G08	Compliance	E009R	06/09/2025	Calcium, total	131	mg/L
G08	Compliance	E009	04/21/2025	Chloride, total	13.5	mg/L
G08	Compliance	E009R	06/09/2025	Chloride, total	13.2	mg/L
G08	Compliance	E009	04/21/2025	Chromium, total	0.00280 J+	mg/L
G08	Compliance	E009	04/21/2025	Cobalt, total	0.00410	mg/L
G08	Compliance	E009	04/21/2025	Dissolved Oxygen	0.660	mg/L
G08	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.810	mg/L
G08	Compliance	E009	04/21/2025	Fluoride, total	0.28 J	mg/L
G08	Compliance	E009R	06/09/2025	Fluoride, total	0.28 J	mg/L
G08	Compliance	E009	04/21/2025	Lead, total	0.00100 J	mg/L
G08	Compliance	E009	04/21/2025	Lithium, total	0.0029 J	mg/L
G08	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G08	Compliance	E009	04/21/2025	Molybdenum, total	0.0013 J	mg/L
G08	Compliance	E009	04/21/2025	Oxidation Reduction Potential	49.0	mV
G08	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	-10.0	mV
G08	Compliance	E009	04/21/2025	pH (field)	6.7	SU
G08	Compliance	E009R	06/09/2025	pH (field)	6.8	SU
G08	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.281	pCi/L
G08	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G08	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	807	micromhos/cm
G08	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	1,040	micromhos/cm
G08	Compliance	E009	04/21/2025	Sulfate, total	274	mg/L
G08	Compliance	E009R	06/09/2025	Sulfate, total	416	mg/L
G08	Compliance	E009	04/21/2025	Temperature	17.0	degrees C
G08	Compliance	E009R	06/09/2025	Temperature	19.2	degrees C
G08	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G08	Compliance	E009	04/21/2025	Total Dissolved Solids	610	mg/L
G08	Compliance	E009R	06/09/2025	Total Dissolved Solids	816	mg/L
G08	Compliance	E009	04/21/2025	Turbidity, field	50.0	NTU
G08	Compliance	E009R	06/09/2025	Turbidity, field	30.0	NTU
G09	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G09	Compliance	E009	04/22/2025	Arsenic, total	0.00440	mg/L
G09	Compliance	E009	04/22/2025	Barium, total	0.0464	mg/L
G09	Compliance	E009	04/22/2025	Beryllium, total	0.0009 J	mg/L
G09	Compliance	E009	04/22/2025	Boron, total	3.20	mg/L
G09	Compliance	E009R	06/09/2025	Boron, total	2.92	mg/L
G09	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G09	Compliance	E009	04/22/2025	Calcium, total	59.1	mg/L
G09	Compliance	E009R	06/09/2025	Calcium, total	53.3	mg/L
G09	Compliance	E009	04/22/2025	Chloride, total	14.2	mg/L
G09	Compliance	E009R	06/09/2025	Chloride, total	13.1	mg/L
G09	Compliance	E009	04/22/2025	Chromium, total	0.0109 J+	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E009	04/22/2025	Cobalt, total	0.00420	mg/L
G09	Compliance	E009	04/22/2025	Dissolved Oxygen	1.07	mg/L
G09	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.970	mg/L
G09	Compliance	E009	04/22/2025	Fluoride, total	0.25 J	mg/L
G09	Compliance	E009R	06/09/2025	Fluoride, total	0.28 J	mg/L
G09	Compliance	E009	04/22/2025	Lead, total	0.00250	mg/L
G09	Compliance	E009	04/22/2025	Lithium, total	0.00390	mg/L
G09	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G09	Compliance	E009	04/22/2025	Molybdenum, total	0.0007 J	mg/L
G09	Compliance	E009	04/22/2025	Oxidation Reduction Potential	49.0	mV
G09	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	59.0	mV
G09	Compliance	E009	04/22/2025	pH (field)	6.0	SU
G09	Compliance	E009R	06/09/2025	pH (field)	5.9	SU
G09	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	0.802	pCi/L
G09	Compliance	E009	04/22/2025	Selenium, total	0.0006 U	mg/L
G09	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	664	micromhos/cm
G09	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	695	micromhos/cm
G09	Compliance	E009	04/22/2025	Sulfate, total	237	mg/L
G09	Compliance	E009R	06/09/2025	Sulfate, total	222	mg/L
G09	Compliance	E009	04/22/2025	Temperature	17.7	degrees C
G09	Compliance	E009R	06/09/2025	Temperature	20.9	degrees C
G09	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G09	Compliance	E009	04/22/2025	Total Dissolved Solids	538	mg/L
G09	Compliance	E009R	06/09/2025	Total Dissolved Solids	508	mg/L
G09	Compliance	E009	04/22/2025	Turbidity, field	41.0	NTU
G09	Compliance	E009R	06/09/2025	Turbidity, field	32.0	NTU
G10	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G10	Compliance	E009	04/21/2025	Arsenic, total	0.316	mg/L
G10	Compliance	E009	04/21/2025	Barium, total	0.232	mg/L
G10	Compliance	E009	04/21/2025	Beryllium, total	0.00770	mg/L
G10	Compliance	E009	04/21/2025	Boron, total	1.41	mg/L
G10	Compliance	E009R	06/10/2025	Boron, total	2.12	mg/L
G10	Compliance	E009	04/21/2025	Cadmium, total	0.0005 J	mg/L
G10	Compliance	E009	04/21/2025	Calcium, total	102	mg/L
G10	Compliance	E009R	06/10/2025	Calcium, total	98.3	mg/L
G10	Compliance	E009	04/21/2025	Chloride, total	13.8	mg/L
G10	Compliance	E009R	06/10/2025	Chloride, total	15.8	mg/L
G10	Compliance	E009	04/21/2025	Chromium, total	0.0109 J+	mg/L
G10	Compliance	E009	04/21/2025	Cobalt, total	0.0114	mg/L
G10	Compliance	E009	04/21/2025	Dissolved Oxygen	1.39	mg/L
G10	Compliance	E009R	06/10/2025	Dissolved Oxygen	0.560	mg/L
G10	Compliance	E009	04/21/2025	Fluoride, total	1.03	mg/L
G10	Compliance	E009R	06/10/2025	Fluoride, total	0.760	mg/L
G10	Compliance	E009	04/21/2025	Lead, total	0.00250	mg/L
G10	Compliance	E009	04/21/2025	Lithium, total	0.0272	mg/L
G10	Compliance	E009	04/21/2025	Mercury, total	0.00007 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G10	Compliance	E009	04/21/2025	Molybdenum, total	0.00510	mg/L
G10	Compliance	E009	04/21/2025	Oxidation Reduction Potential	68.0	mV
G10	Compliance	E009R	06/10/2025	Oxidation Reduction Potential	129	mV
G10	Compliance	E009	04/21/2025	pH (field)	6.2	SU
G10	Compliance	E009R	06/10/2025	pH (field)	6.1	SU
G10	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	2.3	pCi/L
G10	Compliance	E009	04/21/2025	Selenium, total	0.00220	mg/L
G10	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	852	micromhos/cm
G10	Compliance	E009R	06/10/2025	Specific Conductance @ 25C (field)	1,020	micromhos/cm
G10	Compliance	E009	04/21/2025	Sulfate, total	253	mg/L
G10	Compliance	E009R	06/10/2025	Sulfate, total	311	mg/L
G10	Compliance	E009	04/21/2025	Temperature	17.2	degrees C
G10	Compliance	E009R	06/10/2025	Temperature	18.6	degrees C
G10	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G10	Compliance	E009	04/21/2025	Total Dissolved Solids	645	mg/L
G10	Compliance	E009R	06/10/2025	Total Dissolved Solids	770	mg/L
G10	Compliance	E009	04/21/2025	Turbidity, field	490	NTU
G10	Compliance	E009R	06/10/2025	Turbidity, field	35.0	NTU
G11	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G11	Compliance	E009	04/21/2025	Arsenic, total	0.00420	mg/L
G11	Compliance	E009	04/21/2025	Barium, total	0.165	mg/L
G11	Compliance	E009	04/21/2025	Beryllium, total	0.00100	mg/L
G11	Compliance	E009	04/21/2025	Boron, total	0.407	mg/L
G11	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G11	Compliance	E009	04/21/2025	Calcium, total	101	mg/L
G11	Compliance	E009	04/21/2025	Chloride, total	32.6	mg/L
G11	Compliance	E009	04/21/2025	Chromium, total	0.0200	mg/L
G11	Compliance	E009	04/21/2025	Cobalt, total	0.0260	mg/L
G11	Compliance	E009	04/21/2025	Dissolved Oxygen	1.23	mg/L
G11	Compliance	E009	04/21/2025	Fluoride, total	0.23 J	mg/L
G11	Compliance	E009	04/21/2025	Lead, total	0.00550	mg/L
G11	Compliance	E009	04/21/2025	Lithium, total	0.00800	mg/L
G11	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G11	Compliance	E009	04/21/2025	Molybdenum, total	0.00200	mg/L
G11	Compliance	E009	04/21/2025	Oxidation Reduction Potential	100	mV
G11	Compliance	E009	04/21/2025	pH (field)	5.9	SU
G11	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.64	pCi/L
G11	Compliance	E009	04/21/2025	Selenium, total	0.00310	mg/L
G11	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	1,010	micromhos/cm
G11	Compliance	E009	04/21/2025	Sulfate, total	350	mg/L
G11	Compliance	E009	04/21/2025	Temperature	17.9	degrees C
G11	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G11	Compliance	E009	04/21/2025	Total Dissolved Solids	842	mg/L
G11	Compliance	E009	04/21/2025	Turbidity, field	61.0	NTU
G51D	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G51D	Compliance	E009	04/21/2025	Arsenic, total	0.0004 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G51D	Compliance	E009	04/21/2025	Barium, total	0.0395	mg/L
G51D	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E009	04/21/2025	Boron, total	0.786	mg/L
G51D	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G51D	Compliance	E009	04/21/2025	Calcium, total	25.0	mg/L
G51D	Compliance	E009	04/21/2025	Chloride, total	4.7 J	mg/L
G51D	Compliance	E009	04/21/2025	Chromium, total	0.00320 J+	mg/L
G51D	Compliance	E009	04/21/2025	Cobalt, total	0.00110	mg/L
G51D	Compliance	E009	04/21/2025	Dissolved Oxygen	1.86	mg/L
G51D	Compliance	E009	04/21/2025	Fluoride, total	0.04 J	mg/L
G51D	Compliance	E009	04/21/2025	Lead, total	0.0008 J	mg/L
G51D	Compliance	E009	04/21/2025	Lithium, total	0.00620	mg/L
G51D	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G51D	Compliance	E009	04/21/2025	Oxidation Reduction Potential	35.0	mV
G51D	Compliance	E009	04/21/2025	pH (field)	5.3	SU
G51D	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.0487	pCi/L
G51D	Compliance	E009	04/21/2025	Selenium, total	0.00580	mg/L
G51D	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	371	micromhos/cm
G51D	Compliance	E009	04/21/2025	Sulfate, total	106	mg/L
G51D	Compliance	E009	04/21/2025	Temperature	17.7	degrees C
G51D	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G51D	Compliance	E009	04/21/2025	Total Dissolved Solids	324	mg/L
G51D	Compliance	E009	04/21/2025	Turbidity, field	42.0	NTU
G52D	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G52D	Compliance	E009	04/22/2025	Arsenic, total	0.00120	mg/L
G52D	Compliance	E009	04/22/2025	Barium, total	0.274	mg/L
G52D	Compliance	E009	04/22/2025	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E009	04/22/2025	Boron, total	0.0282 J+	mg/L
G52D	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G52D	Compliance	E009	04/22/2025	Calcium, total	40.9	mg/L
G52D	Compliance	E009	04/22/2025	Chloride, total	12.4	mg/L
G52D	Compliance	E009	04/22/2025	Chromium, total	0.0007 U	mg/L
G52D	Compliance	E009	04/22/2025	Cobalt, total	0.00380	mg/L
G52D	Compliance	E009	04/22/2025	Dissolved Oxygen	0.340	mg/L
G52D	Compliance	E009	04/22/2025	Fluoride, total	0.24 J	mg/L
G52D	Compliance	E009	04/22/2025	Lead, total	0.0006 U	mg/L
G52D	Compliance	E009	04/22/2025	Lithium, total	0.0025 J	mg/L
G52D	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E009	04/22/2025	Molybdenum, total	0.0006 J	mg/L
G52D	Compliance	E009	04/22/2025	Oxidation Reduction Potential	64.0	mV
G52D	Compliance	E009	04/22/2025	pH (field)	6.3	SU
G52D	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	0.898	pCi/L
G52D	Compliance	E009	04/22/2025	Selenium, total	0.0006 U	mg/L
G52D	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	459	micromhos/cm
G52D	Compliance	E009	04/22/2025	Sulfate, total	30.9	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G52D	Compliance	E009	04/22/2025	Temperature	15.6	degrees C
G52D	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G52D	Compliance	E009	04/22/2025	Total Dissolved Solids	314 J+	mg/L
G52D	Compliance	E009	04/22/2025	Turbidity, field	5.00	NTU
G53D	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E009	04/21/2025	Arsenic, total	0.0004 J	mg/L
G53D	Compliance	E009	04/21/2025	Barium, total	0.0949	mg/L
G53D	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E009	04/21/2025	Boron, total	0.345	mg/L
G53D	Compliance	E009R	06/09/2025	Boron, total	0.324	mg/L
G53D	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G53D	Compliance	E009	04/21/2025	Calcium, total	36.4	mg/L
G53D	Compliance	E009R	06/09/2025	Calcium, total	35.1	mg/L
G53D	Compliance	E009	04/21/2025	Chloride, total	16.1	mg/L
G53D	Compliance	E009R	06/09/2025	Chloride, total	15.0	mg/L
G53D	Compliance	E009	04/21/2025	Chromium, total	0.0007 UJ	mg/L
G53D	Compliance	E009	04/21/2025	Cobalt, total	0.00110	mg/L
G53D	Compliance	E009	04/21/2025	Dissolved Oxygen	0.420	mg/L
G53D	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.240	mg/L
G53D	Compliance	E009	04/21/2025	Fluoride, total	0.670	mg/L
G53D	Compliance	E009R	06/09/2025	Fluoride, total	0.730	mg/L
G53D	Compliance	E009	04/21/2025	Lead, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Lithium, total	0.0015 U	mg/L
G53D	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Oxidation Reduction Potential	106	mV
G53D	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	118	mV
G53D	Compliance	E009	04/21/2025	pH (field)	6.4	SU
G53D	Compliance	E009R	06/09/2025	pH (field)	6.2	SU
G53D	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.179	pCi/L
G53D	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	524	micromhos/cm
G53D	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	506	micromhos/cm
G53D	Compliance	E009	04/21/2025	Sulfate, total	60.9	mg/L
G53D	Compliance	E009R	06/09/2025	Sulfate, total	57.8	mg/L
G53D	Compliance	E009	04/21/2025	Temperature	16.6	degrees C
G53D	Compliance	E009R	06/09/2025	Temperature	16.8	degrees C
G53D	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G53D	Compliance	E009	04/21/2025	Total Dissolved Solids	322	mg/L
G53D	Compliance	E009R	06/09/2025	Total Dissolved Solids	334	mg/L
G53D	Compliance	E009	04/21/2025	Turbidity, field	4.00	NTU
G53D	Compliance	E009R	06/09/2025	Turbidity, field	1.60	NTU
G54D	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G54D	Compliance	E009	04/22/2025	Arsenic, total	0.0004 U	mg/L
G54D	Compliance	E009	04/22/2025	Barium, total	0.200	mg/L
G54D	Compliance	E009	04/22/2025	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025

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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G54D	Compliance	E009	04/22/2025	Boron, total	0.0092 UJ	mg/L
G54D	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G54D	Compliance	E009	04/22/2025	Calcium, total	33.2	mg/L
G54D	Compliance	E009	04/22/2025	Chloride, total	39.4	mg/L
G54D	Compliance	E009	04/22/2025	Chromium, total	0.0007 UJ	mg/L
G54D	Compliance	E009	04/22/2025	Cobalt, total	0.0001 U	mg/L
G54D	Compliance	E009	04/22/2025	Dissolved Oxygen	1.06	mg/L
G54D	Compliance	E009	04/22/2025	Fluoride, total	0.530	mg/L
G54D	Compliance	E009	04/22/2025	Lead, total	0.0006 U	mg/L
G54D	Compliance	E009	04/22/2025	Lithium, total	0.0028 J	mg/L
G54D	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E009	04/22/2025	Molybdenum, total	0.00170	mg/L
G54D	Compliance	E009	04/22/2025	Oxidation Reduction Potential	106	mV
G54D	Compliance	E009	04/22/2025	pH (field)	6.2	SU
G54D	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	1.3	pCi/L
G54D	Compliance	E009	04/22/2025	Selenium, total	0.0180	mg/L
G54D	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	563	micromhos/cm
G54D	Compliance	E009	04/22/2025	Sulfate, total	31.7	mg/L
G54D	Compliance	E009	04/22/2025	Temperature	15.7	degrees C
G54D	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G54D	Compliance	E009	04/22/2025	Total Dissolved Solids	366	mg/L
G54D	Compliance	E009	04/22/2025	Turbidity, field	58.0	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E009 = Quarter 2, 2025 sampling event
E009R = Quarter 2, 2025 resampling event

mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):

NR¹ = Parameter not analyzed.
NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS³ = The location was not accessible; therefore, a sample was not collected.
NS⁴ = The location could not be found; therefore, a sample was not collected.
NS⁵ = The location was damaged; therefore, a sample was not collected.
NS⁶ = Sampling pump could not yield a sample.
NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS⁸ = A sample was not collected.
PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency’s *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G03	UA	E009	Antimony, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G03	UA	E009	Arsenic, total	mg/L	03/05/21 - 04/21/25	19	37	CI around geomean	0.00123	0.010	Standard	No Exceedance
G03	UA	E009	Barium, total	mg/L	03/05/21 - 04/21/25	19	0	CB around linear reg	0.0378	2.0	Standard	No Exceedance
G03	UA	E009	Beryllium, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G03	UA	E009	Boron, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	0.244	2	Standard	No Exceedance
G03	UA	E009	Cadmium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G03	UA	E009	Chloride, total	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	21.5	200	Standard	No Exceedance
G03	UA	E009	Chromium, total	mg/L	03/05/21 - 04/21/25	19	5	CI around mean	0.00516	0.1	Standard	No Exceedance
G03	UA	E009	Cobalt, total	mg/L	03/05/21 - 04/21/25	19	21	CI around geomean	0.00182	0.006	Standard	No Exceedance
G03	UA	E009	Fluoride, total	mg/L	03/05/21 - 04/21/25	19	16	CI around median	0.2	4.0	Standard	No Exceedance
G03	UA	E009	Lead, total	mg/L	03/05/21 - 04/21/25	19	32	CI around geomean	0.00136	0.0075	Standard	No Exceedance
G03	UA	E009	Lithium, total	mg/L	03/05/21 - 04/21/25	19	63	CI around median	0.003	0.04	Standard	No Exceedance
G03	UA	E009	Mercury, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G03	UA	E009	Molybdenum, total	mg/L	03/05/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G03	UA	E009	pH (field)	SU	03/05/21 - 04/21/25	19	0	CI around mean	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G03	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 04/21/25	19	0	CI around mean	0.536	5	Standard	No Exceedance
G03	UA	E009	Selenium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G03	UA	E009	Sulfate, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	72.5	400	Standard	No Exceedance
G03	UA	E009	Thallium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G03	UA	E009	Total Dissolved Solids	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	294	1,200	Standard	No Exceedance
G05	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G05	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.010	Standard	No Exceedance
G05	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.193	2.0	Standard	No Exceedance
G05	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G05	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.0206	2	Standard	No Exceedance
G05	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G05	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	18.2	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G05	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.0015	0.1	Standard	No Exceedance
G05	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.000882	0.006	Standard	No Exceedance
G05	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CB around linear reg	0.419	4.0	Standard	No Exceedance
G05	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.0075	Standard	No Exceedance
G05	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	63	CI around median	0.003	0.04	Standard	No Exceedance
G05	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G05	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00411	0.1	Standard	No Exceedance
G05	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.5	6.0/9.0	Background/Standard	No Exceedance
G05	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.562	5	Standard	No Exceedance
G05	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	32	CB around linear reg	0.000381	0.05	Standard	No Exceedance
G05	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	85.6	400	Standard	No Exceedance
G05	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.002	Standard	No Exceedance
G05	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	357	1,200	Standard	No Exceedance
G06	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.010	Standard	No Exceedance
G06	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0309	2.0	Standard	No Exceedance
G06	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G06	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	3.07	2	Standard	Exceedance
G06	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	3.02	2	Standard	Exceedance
G06	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G06	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	16.7	200	Standard	No Exceedance
G06	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	16.2	200	Standard	No Exceedance
G06	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	21	CI around geomean	0.00221	0.1	Standard	No Exceedance
G06	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.26	4.0	Standard	No Exceedance
G06	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around median	0.26	4.0	Standard	No Exceedance
G06	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G06	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.0037	0.04	Standard	No Exceedance
G06	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G06	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G06	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	18	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	19	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	1.09	5	Standard	No Exceedance
G06	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G06	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	163	400	Standard	No Exceedance
G06	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	161	400	Standard	No Exceedance
G06	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G06	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	493	1,200	Standard	No Exceedance
G06	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	497	1,200	Standard	No Exceedance
G07	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.006	Standard	No Exceedance
G07	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.010	Standard	No Exceedance
G07	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0533	2.0	Standard	No Exceedance
G07	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.001	0.004	Standard	No Exceedance
G07	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.34	2	Standard	Exceedance
G07	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	4.3	2	Standard	Exceedance
G07	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G07	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	19.3	200	Standard	No Exceedance
G07	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	19	200	Standard	No Exceedance
G07	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00329	0.1	Standard	No Exceedance
G07	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00189	0.006	Standard	No Exceedance
G07	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.4	4.0	Standard	No Exceedance
G07	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	20	CB around T-S line	0.394	4.0	Standard	No Exceedance
G07	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	53	CI around median	0.001	0.0075	Standard	No Exceedance
G07	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.003	0.04	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G07	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G07	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.0015	0.1	Standard	No Exceedance
G07	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.871	5	Standard	No Exceedance
G07	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G07	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	258	400	Standard	No Exceedance
G07	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	257	400	Standard	No Exceedance
G07	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G07	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	575	1,200	Standard	No Exceedance
G07	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	575	1,200	Standard	No Exceedance
G08	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G08	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.0062	0.010	Standard	No Exceedance
G08	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.0527	2.0	Standard	No Exceedance
G08	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G08	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.4	2	Standard	Exceedance
G08	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	4.45	2	Standard	Exceedance
G08	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.005	Standard	No Exceedance
G08	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	13.4	200	Standard	No Exceedance
G08	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	13.4	200	Standard	No Exceedance
G08	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around geomean	0.00205	0.1	Standard	No Exceedance
G08	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around geomean	0.00369	0.006	Standard	No Exceedance
G08	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around geomean	0.267	4.0	Standard	No Exceedance
G08	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.268	4.0	Standard	No Exceedance
G08	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.0075	Standard	No Exceedance
G08	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.003	0.04	Standard	No Exceedance
G08	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G08	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	21	CI around median	0.0017	0.1	Standard	No Exceedance
G08	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.8/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.8/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.425	5	Standard	No Exceedance
G08	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G08	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	298	400	Standard	No Exceedance
G08	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	314	400	Standard	No Exceedance
G08	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G08	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	626	1,200	Standard	No Exceedance
G08	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	647	1,200	Standard	No Exceedance
G09	UA	E009	Antimony, total	mg/L	03/04/21 - 04/22/25	19	90	CI around median	0.001	0.006	Standard	No Exceedance
G09	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/22/25	19	10	CI around geomean	0.00235	0.010	Standard	No Exceedance
G09	UA	E009	Barium, total	mg/L	03/04/21 - 04/22/25	19	0	CI around mean	0.0392	2.0	Standard	No Exceedance
G09	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/22/25	19	68	CI around median	0.001	0.004	Standard	No Exceedance
G09	UA	E009	Boron, total	mg/L	03/04/21 - 04/22/25	19	0	CI around median	3.2	2	Standard	Exceedance
G09	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around median	3.19	2	Standard	Exceedance
G09	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G09	UA	E009	Chloride, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	10.8	200	Standard	No Exceedance
G09	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	10.7	200	Standard	No Exceedance
G09	UA	E009	Chromium, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.00201	0.1	Standard	No Exceedance
G09	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	-0.00076	0.006	Standard	No Exceedance
G09	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.257	4.0	Standard	No Exceedance
G09	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.258	4.0	Standard	No Exceedance
G09	UA	E009	Lead, total	mg/L	03/04/21 - 04/22/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance
G09	UA	E009	Lithium, total	mg/L	03/04/21 - 04/22/25	19	10	CI around median	0.0035	0.04	Standard	No Exceedance
G09	UA	E009	Mercury, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G09	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G09	UA	E009	pH (field)	SU	03/04/21 - 04/22/25	19	0	CI around median	6.0/6.3	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.0/6.3	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/22/25	19	0	CI around geomean	0.335	5	Standard	No Exceedance
G09	UA	E009	Selenium, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
G09	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	195	400	Standard	No Exceedance
G09	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	195	400	Standard	No Exceedance
G09	UA	E009	Thallium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G09	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	422	1,200	Standard	No Exceedance
G09	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	425	1,200	Standard	No Exceedance
G10	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G10	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	21	CB around T-S line	0.00409	0.010	Standard	No Exceedance
G10	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0385	2.0	Standard	No Exceedance
G10	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.004	Standard	No Exceedance
G10	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.906	2	Standard	No Exceedance
G10	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	0.951	2	Standard	No Exceedance
G10	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G10	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	12.6	200	Standard	No Exceedance
G10	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	12.4	200	Standard	No Exceedance
G10	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00209	0.1	Standard	No Exceedance
G10	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.00424	0.006	Standard	No Exceedance
G10	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	5	CI around median	0.28	4.0	Standard	No Exceedance
G10	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	5	CB around linear reg	0.487	4.0	Standard	No Exceedance
G10	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.0075	Standard	No Exceedance
G10	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	26	CB around T-S line	0.00441	0.04	Standard	No Exceedance
G10	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G10	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	47	CI around median	0.0015	0.1	Standard	No Exceedance
G10	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.6	6.0/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G10	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around mean	6.4/6.6	6.0/9.0	Background/Standard	No Exceedance
G10	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	0.95	5	Standard	No Exceedance
G10	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
G10	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	252	400	Standard	No Exceedance
G10	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	255	400	Standard	No Exceedance
G10	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G10	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	750	1,200	Standard	No Exceedance
G10	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	750	1,200	Standard	No Exceedance
G11	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.010	Standard	No Exceedance
G11	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0164	2.0	Standard	No Exceedance
G11	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.004	Standard	No Exceedance
G11	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.301	2	Standard	No Exceedance
G11	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G11	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	17.9	200	Standard	No Exceedance
G11	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.18	4.0	Standard	No Exceedance
G11	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	84	CI around median	0.001	0.0075	Standard	No Exceedance
G11	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around median	0.0039	0.04	Standard	No Exceedance
G11	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G11	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	5.8/6.0	6.0/9.0	Background/Standard	No Exceedance
G11	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.296	5	Standard	No Exceedance
G11	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.00223	0.05	Standard	No Exceedance
G11	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	2.28	400	Standard	No Exceedance
G11	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.002	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G11	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	219	1,200	Standard	No Exceedance
G51D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G51D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G51D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.0187	2.0	Standard	No Exceedance
G51D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G51D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	0.707	2	Standard	No Exceedance
G51D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G51D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	10	CB around T-S line	1.68	200	Standard	No Exceedance
G51D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	62	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G51D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	24	CB around T-S line	-0.00801	0.006	Standard	No Exceedance
G51D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	83	CB around T-S line	0.1	4.0	Standard	No Exceedance
G51D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	97	CI around median	0.001	0.0075	Standard	No Exceedance
G51D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00566	0.04	Standard	No Exceedance
G51D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G51D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
G51D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	5.1/5.4	6.0/9.0	Background/Standard	Exceedance
G51D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around mean	0.473	5	Standard	No Exceedance
G51D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00485	0.05	Standard	No Exceedance
G51D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	95.2	400	Standard	No Exceedance
G51D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G51D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	309	1,200	Standard	No Exceedance
G52D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G52D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	28	7	CB around linear reg	-0.000471	0.010	Standard	No Exceedance
G52D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	28	0	CB around T-S line	0.155	2.0	Standard	No Exceedance
G52D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G52D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	29	86	CI around median	0.025	2	Standard	No Exceedance
G52D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G52D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	7.48	200	Standard	No Exceedance
G52D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G52D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	28	0	CI around mean	0.00307	0.006	Standard	No Exceedance
G52D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	29	10	CI around median	0.25	4.0	Standard	No Exceedance
G52D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G52D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	28	50	CI around median	0.003	0.04	Standard	No Exceedance
G52D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	23	96	Most recent sample	0.0002	0.002	Standard	No Exceedance
G52D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	24	83	CI around median	0.0015	0.1	Standard	No Exceedance
G52D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	29	0	CI around mean	6.3/6.4	6.0/9.0	Background/Standard	No Exceedance
G52D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	28	0	CI around mean	0.939	5	Standard	No Exceedance
G52D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	28	96	CI around median	0.001	0.05	Standard	No Exceedance
G52D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	22.9	400	Standard	No Exceedance
G52D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G52D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	273	1,200	Standard	No Exceedance
G53D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G53D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G53D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.00342	2.0	Standard	No Exceedance
G53D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G53D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CI around median	0.341	2	Standard	No Exceedance
G53D	UA	E009R	Boron, total	mg/L	12/03/15 - 06/09/25	31	0	CI around median	0.341	2	Standard	No Exceedance
G53D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G53D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	14.7	200	Standard	No Exceedance
G53D	UA	E009R	Chloride, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	14.7	200	Standard	No Exceedance
G53D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	83	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G53D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	14	CI around geomean	0.00121	0.006	Standard	No Exceedance
G53D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	0.641	4.0	Standard	No Exceedance
G53D	UA	E009R	Fluoride, total	mg/L	12/03/15 - 06/09/25	31	0	CI around mean	0.644	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G53D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G53D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	66	CB around T-S line	0.00297	0.04	Standard	No Exceedance
G53D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
G53D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G53D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E009R	pH (field)	SU	12/03/15 - 06/09/25	31	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around geomean	0.262	5	Standard	No Exceedance
G53D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G53D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	42	400	Standard	No Exceedance
G53D	UA	E009R	Sulfate, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	41.4	400	Standard	No Exceedance
G53D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G53D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	280	1,200	Standard	No Exceedance
G53D	UA	E009R	Total Dissolved Solids	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	274	1,200	Standard	No Exceedance
G54D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G54D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	29	59	CB around T-S line	-0.000101	0.010	Standard	No Exceedance
G54D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	0.0547	2.0	Standard	No Exceedance
G54D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G54D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	30	7	CI around mean	0.445	2	Standard	No Exceedance
G54D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G54D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	30	3	CB around T-S line	17	200	Standard	No Exceedance
G54D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	29	69	CI around median	0.0015	0.1	Standard	No Exceedance
G54D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	29	7	CB around linear reg	0.00202	0.006	Standard	No Exceedance
G54D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	30	7	CB around T-S line	0.249	4.0	Standard	No Exceedance
G54D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.0075	Standard	No Exceedance
G54D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	29	21	CB around linear reg	0.00191	0.04	Standard	No Exceedance
G54D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
G54D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	25	88	CB around T-S line	0.00147	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G54D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	30	0	CB around linear reg	6.4/6.7	6.0/9.0	Background/Standard	No Exceedance
G54D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	29	0	CI around geomean	0.526	5	Standard	No Exceedance
G54D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.05	Standard	No Exceedance
G54D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	30	0	CI around median	149	400	Standard	No Exceedance
G54D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G54D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	30	0	CI around median	482	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E009 = Quarter 2, 2025 sampling event

E009R = Quarter 2, 2025 resampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

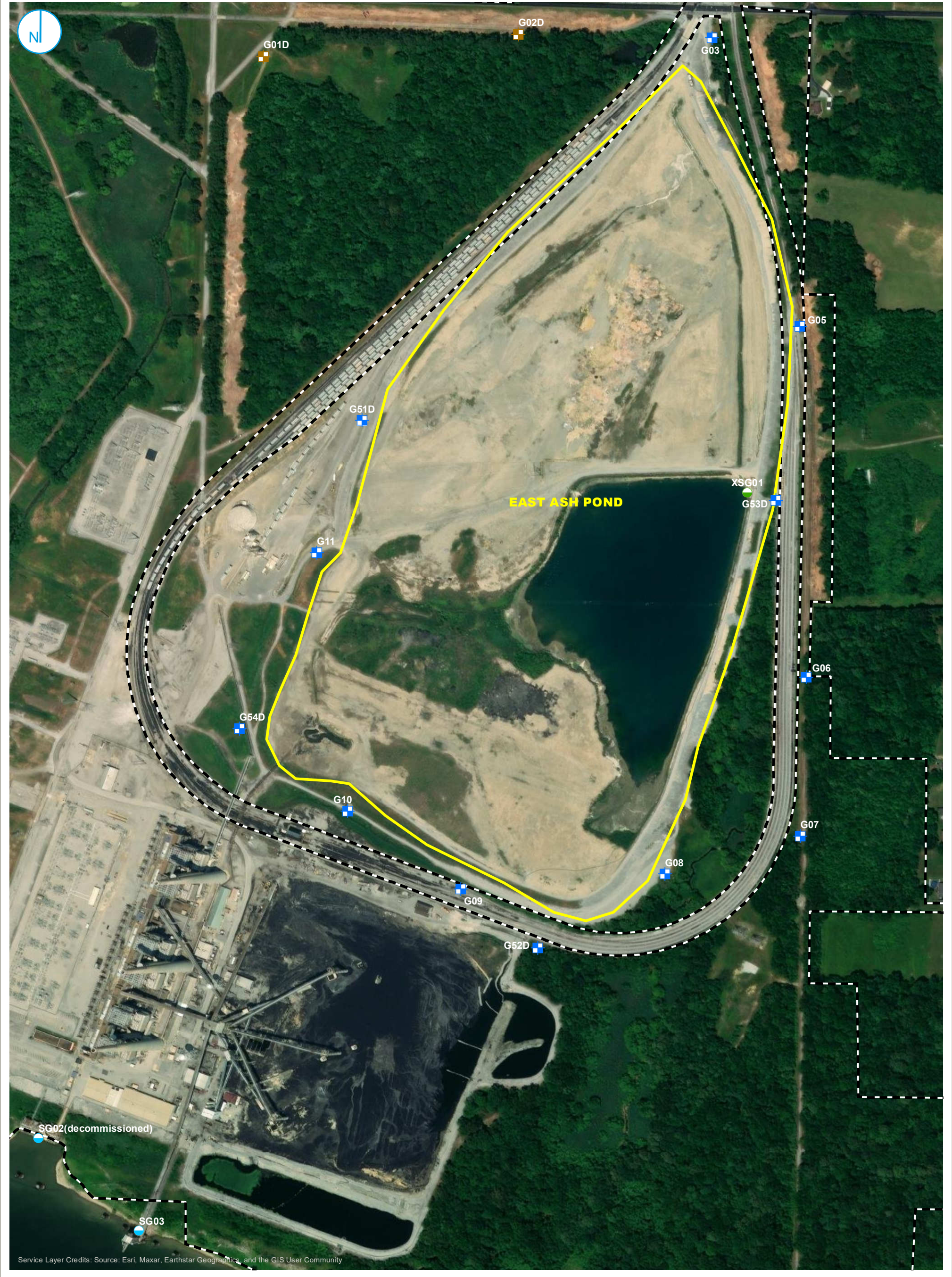
For pH, the values presented are the lower / upper limits

GWPS Source:

Background = background concentration

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 200 400
Feet

MONITORING WELL LOCATION MAP

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND
DETECTED EXCEEDANCES
QUARTER 2, 2025
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 2, 2025

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G01D	Background	04/21/2025	35.70	328.59
G02D	Background	04/21/2025	36.25	327.41
G03	Compliance	04/21/2025	31.46	326.53
G05	Compliance	04/21/2025	35.04	326.52
G06	Compliance	04/21/2025	28.97	326.41
G07	Compliance	04/21/2025	27.53	326.12
G08	Compliance	04/21/2025	17.23	326.47
G09	Compliance	04/21/2025	24.87	326.93
G10	Compliance	04/21/2025	26.25	327.49
G11	Compliance	04/21/2025	38.14	328.59
G51D	Compliance	04/21/2025	35.64	328.28
G52D	Compliance	04/21/2025	23.19	325.32
G53D	Compliance	04/21/2025	28.84	326.71
G54D	Compliance	04/21/2025	29.14	327.99
XSG01	Water Level	04/21/2025	4.56	358.11
SG03	Water Level	04/21/2025	28.51	325.26

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2, 2025**

May 16, 2025

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: JOP-25Q2

WorkOrder: 25040659

Dear Eric Bauer:

TEKLAB, INC received 22 samples for JOP_845_401 on 4/22/2025 3:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Quality Control Results	30
Receiving Check List	44
Chain of Custody	Appended



Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)



Definitions

<http://www.teklabinc.com/>

Client: Ramboll

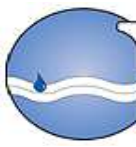
Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

Cooler Receipt Temp: 3.1 °C

An employee of Teklab, Inc. collected the sample(s).

Equipment Blanks were not required. SG03, XSG01, XPW01 and XPW02 dates/times of collection confirmed per field files. EAH 4/24/25

Per Eric Bauer's request, JOP_845_401 data is included in this report. EAH 5/16/25

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

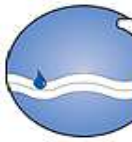
Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



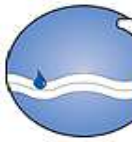
Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-001
Matrix: GROUNDWATER

Work Order: 25040659
Report Date: 16-May-25

Client Sample ID: G01D

Collection Date: 04/21/2025 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		35.70	ft	1	04/21/2025 12:25	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		86	NTU	1	04/21/2025 12:25	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		49	mV	1	04/21/2025 12:25	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		525	µS/cm	1	04/21/2025 12:25	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	04/21/2025 12:25	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.75	mg/L	1	04/21/2025 12:25	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.50		1	04/21/2025 12:25	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		215	mg/L	1	04/23/2025 8:58	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 8:58	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	500	mg/L	1	05/12/2025 15:50	R364879
<i>Sample required re-analysis out of hold time.</i>									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.26	mg/L	10	04/23/2025 9:24	R363718
Chloride	NELAP	1.00	5.00		12.0	mg/L	10	04/23/2025 9:24	R363718
Sulfate	NELAP	0.99	10.0		42.2	mg/L	10	04/23/2025 9:24	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		41.4	mg/L	1	04/24/2025 11:16	237962
Magnesium	NELAP	0.0055	0.0500		13.0	mg/L	1	04/24/2025 11:16	237962
Potassium	NELAP	0.0400	0.100		2.92	mg/L	1	04/24/2025 11:16	237962
Sodium	NELAP	0.0180	0.0500		67.3	mg/L	1	04/24/2025 11:16	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	04/24/2025 22:39	237962
Arsenic	NELAP	0.0004	0.0010		0.0089	mg/L	5	04/24/2025 22:39	237962
Barium	NELAP	0.0007	0.0010		0.405	mg/L	5	04/24/2025 22:39	237962
Beryllium	NELAP	0.0002	0.0010		0.0013	mg/L	5	04/24/2025 22:39	237962
Boron	NELAP	0.0092	0.025	J	0.024	mg/L	5	05/05/2025 12:14	237962
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	04/24/2025 22:39	237962
Chromium	NELAP	0.0007	0.0015	B	0.0487	mg/L	5	04/24/2025 22:39	237962
Cobalt	NELAP	0.0001	0.0010		0.0308	mg/L	5	04/24/2025 22:39	237962
Lead	NELAP	0.0006	0.0010		0.0185	mg/L	5	04/24/2025 22:39	237962
Lithium	*	0.0015	0.0030		0.0128	mg/L	5	04/24/2025 22:39	237962
Molybdenum	NELAP	0.0006	0.0015		0.0028	mg/L	5	04/24/2025 22:39	237962
Selenium	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	04/24/2025 22:39	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/05/2025 12:14	237962
<i>Sample result for Cr exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:15	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

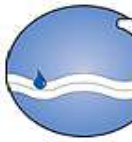
Lab ID: 25040659-002

Client Sample ID: G02D

Matrix: GROUNDWATER

Collection Date: 04/21/2025 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		36.25	ft	1	04/21/2025 13:15	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.5	NTU	1	04/21/2025 13:15	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		71	mV	1	04/21/2025 13:15	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		422	µS/cm	1	04/21/2025 13:15	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	04/21/2025 13:15	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.56	mg/L	1	04/21/2025 13:15	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.29		1	04/21/2025 13:15	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		158	mg/L	1	04/23/2025 9:04	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:04	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		224	mg/L	1	04/25/2025 16:10	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.17	mg/L	10	04/23/2025 10:02	R363718
Chloride	NELAP	1.00	5.00		16.7	mg/L	10	04/23/2025 10:02	R363718
Sulfate	NELAP	0.99	10.0		15.4	mg/L	10	04/23/2025 10:02	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		36.5	mg/L	1	04/24/2025 11:17	237962
Magnesium	NELAP	0.0055	0.0500		10.2	mg/L	1	04/24/2025 11:17	237962
Potassium	NELAP	0.0400	0.100		1.19	mg/L	1	04/24/2025 11:17	237962
Sodium	NELAP	0.0180	0.0500		32.6	mg/L	1	04/24/2025 11:17	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Barium	NELAP	0.0007	0.0010		0.187	mg/L	5	04/24/2025 22:45	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Boron	NELAP	0.0092	0.025	J	0.024	mg/L	5	04/24/2025 22:45	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	04/28/2025 21:25	238139
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/24/2025 22:45	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/24/2025 22:45	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/24/2025 22:45	237962
Selenium	NELAP	0.0006	0.0010		0.0018	mg/L	5	04/24/2025 22:45	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 22:45	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:23	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

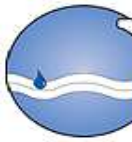
Lab ID: 25040659-003

Client Sample ID: G03

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		31.50	ft	1	04/21/2025 14:13	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		46	NTU	1	04/21/2025 14:13	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		87	mV	1	04/21/2025 14:13	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		599	µS/cm	1	04/21/2025 14:13	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.4	°C	1	04/21/2025 14:13	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.74	mg/L	1	04/21/2025 14:13	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.28		1	04/21/2025 14:13	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		139	mg/L	1	04/23/2025 9:13	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:13	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		410	mg/L	1.25	04/25/2025 16:12	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.19	mg/L	10	04/23/2025 10:15	R363718
Chloride	NELAP	1.00	5.00		28.2	mg/L	10	04/23/2025 10:15	R363718
Sulfate	NELAP	0.99	10.0		99.1	mg/L	10	04/23/2025 10:15	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		52.0	mg/L	1	04/24/2025 11:19	237962
Magnesium	NELAP	0.0055	0.0500		17.1	mg/L	1	04/24/2025 11:19	237962
Potassium	NELAP	0.0400	0.100		1.58	mg/L	1	04/24/2025 11:19	237962
Sodium	NELAP	0.0180	0.0500		39.6	mg/L	1	04/24/2025 11:19	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 22:51	237962
Arsenic	NELAP	0.0004	0.0010		0.0029	mg/L	5	04/24/2025 22:51	237962
Barium	NELAP	0.0007	0.0010		0.0582	mg/L	5	04/24/2025 22:51	237962
Beryllium	NELAP	0.0002	0.0010	J	0.0006	mg/L	5	04/24/2025 22:51	237962
Boron	NELAP	0.0092	0.0250		0.298	mg/L	5	04/24/2025 22:51	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 22:51	237962
Chromium	NELAP	0.0007	0.0015		0.0162	mg/L	5	04/28/2025 21:30	238139
Cobalt	NELAP	0.0001	0.0010		0.0079	mg/L	5	04/24/2025 22:51	237962
Lead	NELAP	0.0006	0.0010		0.0034	mg/L	5	04/24/2025 22:51	237962
Lithium	*	0.0015	0.0030		0.0035	mg/L	5	04/24/2025 22:51	237962
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	04/24/2025 22:51	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/24/2025 22:51	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 22:51	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:25	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

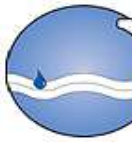
Lab ID: 25040659-004

Client Sample ID: G05

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		35.04	ft	1	04/21/2025 15:32	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		36	NTU	1	04/21/2025 15:32	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		102	mV	1	04/21/2025 15:32	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		628	µS/cm	1	04/21/2025 15:32	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.1	°C	1	04/21/2025 15:32	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.91	mg/L	1	04/21/2025 15:32	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	04/21/2025 15:32	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		179	mg/L	1	04/23/2025 9:18	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:18	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		432	mg/L	1	04/25/2025 16:13	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.38	mg/L	10	04/23/2025 10:27	R363718
Chloride	NELAP	1.00	5.00		20.2	mg/L	10	04/23/2025 10:27	R363718
Sulfate	NELAP	0.99	10.0		89.2	mg/L	10	04/23/2025 10:27	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		52.4	mg/L	1	04/24/2025 13:48	237962
Magnesium	NELAP	0.0055	0.0500		19.5	mg/L	1	04/24/2025 13:48	237962
Potassium	NELAP	0.0400	0.100		1.86	mg/L	1	04/24/2025 13:48	237962
Sodium	NELAP	0.0180	0.0500		41.4	mg/L	1	04/24/2025 13:48	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 22:58	237962
Arsenic	NELAP	0.0004	0.0010		0.0019	mg/L	5	04/24/2025 22:58	237962
Barium	NELAP	0.0007	0.0010		0.215	mg/L	5	04/24/2025 22:58	237962
Beryllium	NELAP	0.0002	0.0010	J	0.0003	mg/L	5	04/24/2025 22:58	237962
Boron	NELAP	0.0092	0.0250		0.0521	mg/L	5	04/24/2025 22:58	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 22:58	237962
Chromium	NELAP	0.0007	0.0015		0.0118	mg/L	5	04/28/2025 21:34	238139
Cobalt	NELAP	0.0001	0.0010		0.0062	mg/L	5	04/24/2025 22:58	237962
Lead	NELAP	0.0006	0.0010		0.0031	mg/L	5	04/24/2025 22:58	237962
Lithium	*	0.0015	0.0030		0.0046	mg/L	5	04/24/2025 22:58	237962
Molybdenum	NELAP	0.0006	0.0015		0.0051	mg/L	5	04/24/2025 22:58	237962
Selenium	NELAP	0.0006	0.0010		0.0010	mg/L	5	04/24/2025 22:58	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 22:58	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:28	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

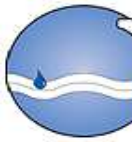
Lab ID: 25040659-005

Client Sample ID: G06

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		28.97	ft	1	04/21/2025 15:03	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		480	NTU	1	04/21/2025 15:03	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		67	mV	1	04/21/2025 15:03	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		673	µS/cm	1	04/21/2025 15:03	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	04/21/2025 15:03	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.65	mg/L	1	04/21/2025 15:03	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.47		1	04/21/2025 15:03	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		163	mg/L	1	04/23/2025 9:24	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:24	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		640	mg/L	1.25	04/25/2025 15:49	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.27	mg/L	10	04/23/2025 10:40	R363718
Chloride	NELAP	1.00	5.00		17.8	mg/L	10	04/23/2025 10:40	R363718
Sulfate	NELAP	0.99	10.0		175	mg/L	10	04/23/2025 10:40	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		81.4	mg/L	1	04/24/2025 13:50	237962
Magnesium	NELAP	0.0055	0.0500		23.7	mg/L	1	04/24/2025 13:50	237962
Potassium	NELAP	0.0400	0.100		3.20	mg/L	1	04/24/2025 13:50	237962
Sodium	NELAP	0.0180	0.0500		40.7	mg/L	1	04/24/2025 13:50	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/24/2025 23:04	237962
Arsenic	NELAP	0.0004	0.0010		0.0071	mg/L	5	04/24/2025 23:04	237962
Barium	NELAP	0.0007	0.0010		0.0917	mg/L	5	04/24/2025 23:04	237962
Beryllium	NELAP	0.0002	0.0010	J	0.0008	mg/L	5	04/24/2025 23:04	237962
Boron	NELAP	0.0092	0.0250		3.32	mg/L	5	04/24/2025 23:04	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 23:04	237962
Chromium	NELAP	0.0007	0.0015	B	0.0347	mg/L	5	04/24/2025 23:04	237962
Cobalt	NELAP	0.0001	0.0010		0.0084	mg/L	5	04/24/2025 23:04	237962
Lead	NELAP	0.0006	0.0010		0.0096	mg/L	5	04/24/2025 23:04	237962
Lithium	*	0.0015	0.0030		0.0100	mg/L	5	04/24/2025 23:04	237962
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	04/24/2025 23:04	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/24/2025 23:04	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 23:04	237962
<i>Sample result for Cr exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00018	mg/L	1	04/25/2025 13:30	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

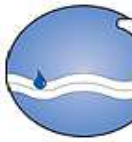
Lab ID: 25040659-006

Client Sample ID: G07

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		27.53	ft	1	04/21/2025 15:35	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		260	NTU	1	04/21/2025 15:35	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		76	mV	1	04/21/2025 15:35	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		888	µS/cm	1	04/21/2025 15:35	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.9	°C	1	04/21/2025 15:35	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.91	mg/L	1	04/21/2025 15:35	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.32		1	04/21/2025 15:35	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		161	mg/L	1	04/23/2025 9:30	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:30	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		888	mg/L	1.25	04/25/2025 15:49	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.49	mg/L	10	04/23/2025 10:53	R363718
Chloride	NELAP	1.00	5.00		18.1	mg/L	10	04/23/2025 10:53	R363718
Sulfate	NELAP	0.99	10.0		310	mg/L	10	04/23/2025 10:53	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	102	mg/L	1	04/25/2025 16:03	237962
Magnesium	NELAP	0.0055	0.0500	S	25.9	mg/L	1	04/25/2025 16:03	237962
Potassium	NELAP	0.0400	0.100		5.16	mg/L	1	04/24/2025 13:51	237962
Sodium	NELAP	0.0180	0.0500	S	70.1	mg/L	1	04/25/2025 16:03	237962
<i>Matrix spike control limits for Ca,Mg, and Na are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 23:10	237962
Arsenic	NELAP	0.0004	0.0010		0.0063	mg/L	5	04/24/2025 23:10	237962
Barium	NELAP	0.0007	0.0010		0.209	mg/L	5	04/24/2025 23:10	237962
Beryllium	NELAP	0.0002	0.0010		0.0012	mg/L	5	04/24/2025 23:10	237962
Boron	NELAP	0.0092	0.0250		4.65	mg/L	5	04/25/2025 9:08	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 23:10	237962
Chromium	NELAP	0.0007	0.0015	B	0.0441	mg/L	5	04/24/2025 23:10	237962
Cobalt	NELAP	0.0001	0.0010		0.0056	mg/L	5	04/24/2025 23:10	237962
Lead	NELAP	0.0006	0.0010		0.0078	mg/L	5	04/24/2025 23:10	237962
Lithium	*	0.0015	0.0030		0.0085	mg/L	5	04/24/2025 23:10	237962
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	04/24/2025 23:10	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/24/2025 23:10	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 23:10	237962
<i>Sample result for Cr exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:41	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

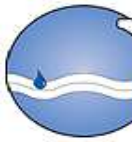
Lab ID: 25040659-007

Client Sample ID: G08

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.23	ft	1	04/21/2025 14:15	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		50	NTU	1	04/21/2025 14:15	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		49	mV	1	04/21/2025 14:15	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		807	µS/cm	1	04/21/2025 14:15	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.0	°C	1	04/21/2025 14:15	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.66	mg/L	1	04/21/2025 14:15	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.74		1	04/21/2025 14:15	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		170	mg/L	1	04/23/2025 9:36	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:36	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		610	mg/L	1	04/25/2025 16:10	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.28	mg/L	10	04/23/2025 11:05	R363718
Chloride	NELAP	1.00	5.00		13.5	mg/L	10	04/23/2025 11:05	R363718
Sulfate	NELAP	0.99	10.0		274	mg/L	10	04/23/2025 11:05	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		115	mg/L	1	04/24/2025 13:56	237962
Magnesium	NELAP	0.0055	0.0500		27.9	mg/L	1	04/24/2025 13:56	237962
Potassium	NELAP	0.0400	0.100		1.58	mg/L	1	04/24/2025 13:56	237962
Sodium	NELAP	0.0180	0.0500		28.5	mg/L	1	04/24/2025 13:56	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2025 23:55	237962
Arsenic	NELAP	0.0004	0.0010		0.0040	mg/L	5	04/24/2025 23:55	237962
Barium	NELAP	0.0007	0.0010		0.0509	mg/L	5	04/24/2025 23:55	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 23:55	237962
Boron	NELAP	0.0092	0.0250		4.22	mg/L	5	04/24/2025 23:55	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/24/2025 23:55	237962
Chromium	NELAP	0.0007	0.0015		0.0028	mg/L	5	04/28/2025 21:39	238139
Cobalt	NELAP	0.0001	0.0010		0.0041	mg/L	5	04/24/2025 23:55	237962
Lead	NELAP	0.0006	0.0010	J	0.0010	mg/L	5	04/24/2025 23:55	237962
Lithium	*	0.0015	0.0030	J	0.0029	mg/L	5	04/24/2025 23:55	237962
Molybdenum	NELAP	0.0006	0.0015	J	0.0013	mg/L	5	04/24/2025 23:55	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/24/2025 23:55	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/24/2025 23:55	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:43	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

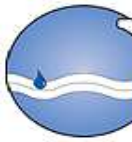
Lab ID: 25040659-008

Client Sample ID: G09

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		25.65	ft	1	04/22/2025 10:21	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		41	NTU	1	04/22/2025 10:21	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		49	mV	1	04/22/2025 10:21	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		664	µS/cm	1	04/22/2025 10:21	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.7	°C	1	04/22/2025 10:21	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.07	mg/L	1	04/22/2025 10:21	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		5.95		1	04/22/2025 10:21	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		96	mg/L	1	04/23/2025 9:43	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:43	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		538	mg/L	1.25	04/25/2025 16:12	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.25	mg/L	10	04/23/2025 11:18	R363718
Chloride	NELAP	1.00	5.00		14.2	mg/L	10	04/23/2025 11:18	R363718
Sulfate	NELAP	0.99	10.0		237	mg/L	10	04/23/2025 11:18	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		59.1	mg/L	1	04/24/2025 13:58	237962
Magnesium	NELAP	0.0055	0.0500		23.1	mg/L	1	04/24/2025 13:58	237962
Potassium	NELAP	0.0400	0.100		0.875	mg/L	1	04/24/2025 13:58	237962
Sodium	NELAP	0.0180	0.0500		50.3	mg/L	1	04/24/2025 13:58	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:01	237962
Arsenic	NELAP	0.0004	0.0010		0.0044	mg/L	5	04/25/2025 0:01	237962
Barium	NELAP	0.0007	0.0010		0.0464	mg/L	5	04/25/2025 0:01	237962
Beryllium	NELAP	0.0002	0.0010	J	0.0009	mg/L	5	04/25/2025 0:01	237962
Boron	NELAP	0.0092	0.0250		3.20	mg/L	5	04/25/2025 0:01	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:01	237962
Chromium	NELAP	0.0007	0.0015		0.0109	mg/L	5	04/28/2025 21:44	238139
Cobalt	NELAP	0.0001	0.0010		0.0042	mg/L	5	04/25/2025 0:01	237962
Lead	NELAP	0.0006	0.0010		0.0025	mg/L	5	04/25/2025 0:01	237962
Lithium	*	0.0015	0.0030		0.0039	mg/L	5	04/25/2025 0:01	237962
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	04/25/2025 0:01	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:01	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:01	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:46	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

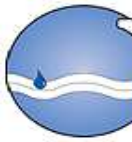
Lab ID: 25040659-009

Client Sample ID: G10

Matrix: GROUNDWATER

Collection Date: 04/21/2025 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		26.25	ft	1	04/21/2025 13:26	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		490	NTU	1	04/21/2025 13:26	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		68	mV	1	04/21/2025 13:26	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		852	µS/cm	1	04/21/2025 13:26	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	04/21/2025 13:26	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.39	mg/L	1	04/21/2025 13:26	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.16		1	04/21/2025 13:26	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		197	mg/L	1	04/23/2025 9:47	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:47	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		645	mg/L	2.5	04/25/2025 16:14	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50		1.03	mg/L	10	04/23/2025 12:09	R363718
Chloride	NELAP	1.00	5.00		13.8	mg/L	10	04/23/2025 12:09	R363718
Sulfate	NELAP	0.99	10.0		253	mg/L	10	04/23/2025 12:09	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		102	mg/L	1	04/24/2025 13:59	237962
Magnesium	NELAP	0.0055	0.0500		27.0	mg/L	1	04/24/2025 13:59	237962
Potassium	NELAP	0.0400	0.100		6.55	mg/L	1	04/24/2025 13:59	237962
Sodium	NELAP	0.0180	0.0500		61.4	mg/L	1	04/24/2025 13:59	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:07	237962
Arsenic	NELAP	0.0004	0.0010		0.316	mg/L	5	04/25/2025 0:07	237962
Barium	NELAP	0.0007	0.0010		0.232	mg/L	5	04/25/2025 0:07	237962
Beryllium	NELAP	0.0002	0.0010		0.0077	mg/L	5	04/25/2025 0:07	237962
Boron	NELAP	0.0092	0.0250		1.41	mg/L	5	04/25/2025 0:07	237962
Cadmium	NELAP	0.0002	0.0010	J	0.0005	mg/L	5	04/25/2025 0:07	237962
Chromium	NELAP	0.0007	0.0015		0.0109	mg/L	5	04/28/2025 22:08	238139
Cobalt	NELAP	0.0001	0.0010		0.0114	mg/L	5	04/25/2025 0:07	237962
Lead	NELAP	0.0006	0.0010		0.0025	mg/L	5	04/25/2025 0:07	237962
Lithium	*	0.0015	0.0030		0.0272	mg/L	5	04/25/2025 0:07	237962
Molybdenum	NELAP	0.0006	0.0015		0.0051	mg/L	5	04/25/2025 0:07	237962
Selenium	NELAP	0.0006	0.0010		0.0022	mg/L	5	04/25/2025 0:07	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:07	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00007	mg/L	1	04/25/2025 13:48	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

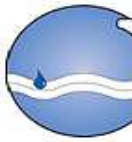
Lab ID: 25040659-010

Client Sample ID: G11

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:47

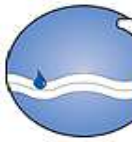
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		38.16	ft	1	04/21/2025 14:47	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		61	NTU	1	04/21/2025 14:47	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		100	mV	1	04/21/2025 14:47	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1010	µS/cm	1	04/21/2025 14:47	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.9	°C	1	04/21/2025 14:47	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.23	mg/L	1	04/21/2025 14:47	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		5.93		1	04/21/2025 14:47	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		86	mg/L	1	04/23/2025 9:52	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:52	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		842	mg/L	1.25	04/25/2025 15:49	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.23	mg/L	10	04/23/2025 12:47	R363718
Chloride	NELAP	1.00	5.00		32.6	mg/L	10	04/23/2025 12:47	R363718
Sulfate	NELAP	0.99	10.0		350	mg/L	10	04/23/2025 12:47	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		101	mg/L	1	04/24/2025 14:01	237962
Magnesium	NELAP	0.0055	0.0500		32.9	mg/L	1	04/24/2025 14:01	237962
Potassium	NELAP	0.0400	0.100		2.32	mg/L	1	04/24/2025 14:01	237962
Sodium	NELAP	0.0180	0.0500		51.2	mg/L	1	04/24/2025 14:01	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:13	237962
Arsenic	NELAP	0.0004	0.0010		0.0042	mg/L	5	04/25/2025 0:13	237962
Barium	NELAP	0.0007	0.0010		0.165	mg/L	5	04/25/2025 0:13	237962
Beryllium	NELAP	0.0002	0.0010		0.0010	mg/L	5	04/25/2025 0:13	237962
Boron	NELAP	0.0092	0.0250		0.407	mg/L	5	04/25/2025 0:13	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:13	237962
Chromium	NELAP	0.0007	0.0015	B	0.0200	mg/L	5	04/25/2025 0:13	237962
Cobalt	NELAP	0.0001	0.0010		0.0260	mg/L	5	04/25/2025 0:13	237962
Lead	NELAP	0.0006	0.0010		0.0055	mg/L	5	04/25/2025 0:13	237962
Lithium	*	0.0015	0.0030		0.0080	mg/L	5	04/25/2025 0:13	237962
Molybdenum	NELAP	0.0006	0.0015		0.0020	mg/L	5	04/25/2025 0:13	237962
Selenium	NELAP	0.0006	0.0010		0.0031	mg/L	5	04/25/2025 0:13	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:13	237962
<i>Sample result for Cr exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:50	238009



Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-011
Matrix: GROUNDWATER

Work Order: 25040659
Report Date: 16-May-25
Client Sample ID: G51D
Collection Date: 04/21/2025 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		35.64	ft	1	04/21/2025 12:30	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		42	NTU	1	04/21/2025 12:30	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		35	mV	1	04/21/2025 12:30	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		371	µS/cm	1	04/21/2025 12:30	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.7	°C	1	04/21/2025 12:30	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.86	mg/L	1	04/21/2025 12:30	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		5.34		1	04/21/2025 12:30	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		49	mg/L	1	04/23/2025 9:57	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 9:57	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		324	mg/L	1	04/25/2025 16:11	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.04	mg/L	10	04/23/2025 12:59	R363718
Chloride	NELAP	1.0	5.0	J	4.7	mg/L	10	04/23/2025 12:59	R363718
Sulfate	NELAP	0.99	10.0		106	mg/L	10	04/23/2025 12:59	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		25.0	mg/L	1	04/24/2025 15:55	237962
Magnesium	NELAP	0.0055	0.0500		10.7	mg/L	1	04/24/2025 15:55	237962
Potassium	NELAP	0.0400	0.100		0.363	mg/L	1	04/24/2025 15:55	237962
Sodium	NELAP	0.0180	0.0500		30.5	mg/L	1	04/24/2025 15:55	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:20	237962
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	04/25/2025 0:20	237962
Barium	NELAP	0.0007	0.0010		0.0395	mg/L	5	04/25/2025 0:20	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:20	237962
Boron	NELAP	0.0092	0.0250		0.786	mg/L	5	04/25/2025 0:20	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:20	237962
Chromium	NELAP	0.0007	0.0015		0.0032	mg/L	5	04/28/2025 22:13	238139
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	04/25/2025 0:20	237962
Lead	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	04/25/2025 0:20	237962
Lithium	*	0.0015	0.0030		0.0062	mg/L	5	04/25/2025 0:20	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/25/2025 0:20	237962
Selenium	NELAP	0.0006	0.0010		0.0058	mg/L	5	04/25/2025 0:20	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:20	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:53	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

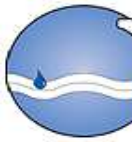
Lab ID: 25040659-012

Client Sample ID: G52D

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		23.10	ft	1	04/22/2025 10:42	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.0	NTU	1	04/22/2025 10:42	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		64	mV	1	04/22/2025 10:42	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		459	µS/cm	1	04/22/2025 10:42	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	04/22/2025 10:42	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.34	mg/L	1	04/22/2025 10:42	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.31		1	04/22/2025 10:42	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		181	mg/L	1	04/23/2025 10:02	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:02	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		314	mg/L	1	04/25/2025 16:11	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.24	mg/L	10	04/23/2025 13:12	R363718
Chloride	NELAP	1.00	5.00		12.4	mg/L	10	04/23/2025 13:12	R363718
Sulfate	NELAP	0.99	10.0		30.9	mg/L	10	04/23/2025 13:12	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		40.9	mg/L	1	04/24/2025 15:56	237962
Magnesium	NELAP	0.0055	0.0500		13.3	mg/L	1	04/24/2025 15:56	237962
Potassium	NELAP	0.0400	0.100		0.732	mg/L	1	04/24/2025 15:56	237962
Sodium	NELAP	0.0180	0.0500		30.1	mg/L	1	04/24/2025 15:56	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:26	237962
Arsenic	NELAP	0.0004	0.0010		0.0012	mg/L	5	04/25/2025 0:26	237962
Barium	NELAP	0.0007	0.0010		0.274	mg/L	5	04/25/2025 0:26	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:26	237962
Boron	NELAP	0.0092	0.0250		0.0282	mg/L	5	04/25/2025 0:26	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:26	237962
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/28/2025 22:18	238139
Cobalt	NELAP	0.0001	0.0010		0.0038	mg/L	5	04/25/2025 0:26	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:26	237962
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	04/25/2025 0:26	237962
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	04/25/2025 0:26	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:26	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:26	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:55	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

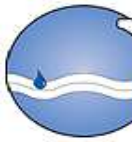
Lab ID: 25040659-013

Client Sample ID: G53D

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		28.87	ft	1	04/21/2025 15:56	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.0	NTU	1	04/21/2025 15:56	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		106	mV	1	04/21/2025 15:56	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		524	µS/cm	1	04/21/2025 15:56	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	04/21/2025 15:56	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.42	mg/L	1	04/21/2025 15:56	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	04/21/2025 15:56	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		164	mg/L	1	04/23/2025 10:08	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:08	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		322	mg/L	1	04/25/2025 16:12	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50		0.67	mg/L	10	04/23/2025 13:25	R363718
Chloride	NELAP	1.00	5.00		16.1	mg/L	10	04/23/2025 13:25	R363718
Sulfate	NELAP	0.99	10.0		60.9	mg/L	10	04/23/2025 13:25	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		36.4	mg/L	1	04/24/2025 15:58	237962
Magnesium	NELAP	0.0055	0.0500		15.9	mg/L	1	04/24/2025 15:58	237962
Potassium	NELAP	0.0400	0.100		0.314	mg/L	1	04/24/2025 15:58	237962
Sodium	NELAP	0.0180	0.0500		43.8	mg/L	1	04/24/2025 15:58	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:32	237962
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	04/25/2025 0:32	237962
Barium	NELAP	0.0007	0.0010		0.0949	mg/L	5	04/25/2025 0:32	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:32	237962
Boron	NELAP	0.0092	0.0250		0.345	mg/L	5	04/25/2025 0:32	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:32	237962
Chromium	NELAP	0.0007	0.0015	J	0.0012	mg/L	5	04/28/2025 22:23	238139
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	04/25/2025 0:32	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:32	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/25/2025 0:32	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/25/2025 0:32	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:32	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:32	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 13:57	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

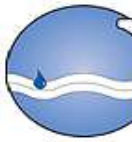
Lab ID: 25040659-014

Client Sample ID: G54D

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		29.64	ft	1	04/22/2025 10:04	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		58	NTU	1	04/22/2025 10:04	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		106	mV	1	04/22/2025 10:04	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		563	µS/cm	1	04/22/2025 10:04	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	04/22/2025 10:04	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	04/22/2025 10:04	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.25		1	04/22/2025 10:04	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		175	mg/L	1	04/23/2025 10:13	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:13	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		366	mg/L	1	04/25/2025 16:13	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50		0.53	mg/L	10	04/23/2025 13:37	R363718
Chloride	NELAP	1.00	5.00		39.4	mg/L	10	04/23/2025 13:37	R363718
Sulfate	NELAP	0.99	10.0		31.7	mg/L	10	04/23/2025 13:37	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		33.2	mg/L	1	04/24/2025 16:00	237962
Magnesium	NELAP	0.0055	0.0500		14.1	mg/L	1	04/24/2025 16:00	237962
Potassium	NELAP	0.0400	0.100		0.534	mg/L	1	04/24/2025 16:00	237962
Sodium	NELAP	0.0180	0.0500		52.8	mg/L	1	04/24/2025 16:00	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Barium	NELAP	0.0007	0.0010		0.200	mg/L	5	04/25/2025 1:35	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Boron	NELAP	0.0092	0.025	J	0.018	mg/L	5	04/25/2025 1:35	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	04/28/2025 22:27	238139
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:35	237962
Lithium	*	0.0015	0.0030	J	0.0028	mg/L	5	04/25/2025 1:35	237962
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	04/25/2025 1:35	237962
Selenium	NELAP	0.0006	0.0010		0.0180	mg/L	5	04/25/2025 1:35	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 1:35	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:09	238009

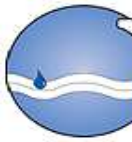


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040659
Client Project: JOP-25Q2 **Report Date:** 16-May-25
Lab ID: 25040659-015 **Client Sample ID:** SG03
Matrix: GROUNDWATER **Collection Date:** 04/21/2025 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		28.51	ft	1	04/21/2025 11:55	R363751



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

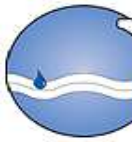
Lab ID: 25040659-016

Client Sample ID: XPW01

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.55	ft	1	04/22/2025 10:54	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		21	NTU	1	04/22/2025 10:54	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-167	mV	1	04/22/2025 10:54	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1040	µS/cm	1	04/22/2025 10:54	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	04/22/2025 10:54	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.41	mg/L	1	04/22/2025 10:54	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		8.33		1	04/22/2025 10:54	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		114	mg/L	1	04/23/2025 10:19	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		13	mg/L	1	04/23/2025 10:19	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		814	mg/L	1	04/25/2025 16:09	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.28	mg/L	10	04/23/2025 13:50	R363718
Chloride	NELAP	1.00	5.00		8.50	mg/L	10	04/23/2025 13:50	R363718
Sulfate	NELAP	0.99	10.0		416	mg/L	10	04/23/2025 13:50	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	177	mg/L	1	04/24/2025 16:01	237962
Magnesium	NELAP	0.0055	0.0500		0.412	mg/L	1	04/24/2025 16:01	237962
Potassium	NELAP	0.400	1.00	S	41.5	mg/L	10	04/25/2025 16:08	237962
Sodium	NELAP	0.0180	0.0500	S	38.2	mg/L	1	04/24/2025 16:01	237962
<i>Matrix spike control limits for Ca, K, and Na are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 0:39	237962
Arsenic	NELAP	0.0004	0.0010		0.0268	mg/L	5	04/25/2025 0:39	237962
Barium	NELAP	0.0007	0.0010		0.149	mg/L	5	04/25/2025 0:39	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:39	237962
Boron	NELAP	0.0092	0.0250	S	11.4	mg/L	5	04/25/2025 0:39	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 0:39	237962
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/28/2025 22:37	238139
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	04/25/2025 0:39	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:39	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/25/2025 0:39	237962
Molybdenum	NELAP	0.0006	0.0015		0.300	mg/L	5	04/25/2025 0:39	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 0:39	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 0:39	237962
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:11	238009



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

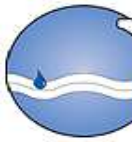
Lab ID: 25040659-017

Client Sample ID: XPW02

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.11	ft	1	04/22/2025 10:15	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.2	NTU	1	04/22/2025 10:15	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-206	mV	1	04/22/2025 10:15	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4740	µS/cm	1	04/22/2025 10:15	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.4	°C	1	04/22/2025 10:15	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.41	mg/L	1	04/22/2025 10:15	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		7.72		1	04/22/2025 10:15	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		98	mg/L	1	04/23/2025 10:25	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:25	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3910	mg/L	1	04/25/2025 16:10	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.48	mg/L	10	04/23/2025 14:03	R363718
Chloride	NELAP	1.00	5.00		7.30	mg/L	10	04/23/2025 14:03	R363718
Sulfate	NELAP	0.99	10.0		2830	mg/L	10	04/23/2025 14:03	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		487	mg/L	1	04/24/2025 16:06	237962
Magnesium	NELAP	0.0055	0.0500		10.1	mg/L	1	04/24/2025 16:06	237962
Potassium	NELAP	0.400	1.00		26.8	mg/L	10	04/25/2025 16:22	237962
Sodium	NELAP	0.180	0.500		763	mg/L	10	04/25/2025 16:22	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 1:42	237962
Arsenic	NELAP	0.0004	0.0010		0.0367	mg/L	5	04/25/2025 1:42	237962
Barium	NELAP	0.0007	0.0010		0.0190	mg/L	5	04/25/2025 1:42	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:42	237962
Boron	NELAP	0.0092	0.0250		13.0	mg/L	5	04/25/2025 1:42	237962
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	04/25/2025 1:42	237962
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	04/28/2025 22:42	238139
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	04/25/2025 1:42	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:42	237962
Lithium	*	0.0015	0.0030		0.0690	mg/L	5	04/25/2025 1:42	237962
Molybdenum	NELAP	0.0024	0.0060		1.12	mg/L	20	04/25/2025 8:50	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:42	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 1:42	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:13	238009



Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

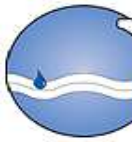
Lab ID: 25040659-018

Client Sample ID: XPW03

Matrix: GROUNDWATER

Collection Date: 04/22/2025 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.85	ft	1	04/22/2025 11:05	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.4	NTU	1	04/22/2025 11:05	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		57	mV	1	04/22/2025 11:05	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		648	µS/cm	1	04/22/2025 11:05	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.9	°C	1	04/22/2025 11:05	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.88	mg/L	1	04/22/2025 11:05	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		10.8		1	04/22/2025 11:05	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:31	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		79	mg/L	1	04/23/2025 10:31	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		420	mg/L	1	04/25/2025 16:15	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.32	mg/L	10	04/23/2025 14:54	R363718
Chloride	NELAP	1.00	5.00		22.3	mg/L	10	04/23/2025 14:54	R363718
Sulfate	NELAP	0.99	10.0		114	mg/L	10	04/23/2025 14:54	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		9.40	mg/L	1	04/24/2025 16:07	237962
Magnesium	NELAP	0.0055	0.050	J	0.015	mg/L	1	04/24/2025 16:07	237962
Potassium	NELAP	0.400	1.00		26.2	mg/L	10	04/25/2025 16:24	237962
Sodium	NELAP	0.0180	0.0500		88.1	mg/L	1	04/24/2025 16:07	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0089	mg/L	5	04/25/2025 1:48	237962
Arsenic	NELAP	0.0004	0.0010		0.536	mg/L	5	04/25/2025 1:48	237962
Barium	NELAP	0.0007	0.0010		0.0109	mg/L	5	04/25/2025 1:48	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:48	237962
Boron	NELAP	0.0092	0.0250		6.73	mg/L	5	04/25/2025 1:48	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:48	237962
Chromium	NELAP	0.0007	0.0015	BJ	0.0012	mg/L	5	04/25/2025 1:48	237962
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/25/2025 1:48	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:48	237962
Lithium	*	0.0015	0.0030		0.129	mg/L	5	04/25/2025 1:48	237962
Molybdenum	NELAP	0.0006	0.0015		0.212	mg/L	5	04/25/2025 1:48	237962
Selenium	NELAP	0.0006	0.0010		0.0384	mg/L	5	04/25/2025 1:48	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 1:48	237962
Contamination present in the MBLK for Cr. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:16	238009



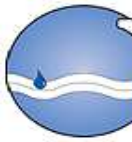
Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-019
Matrix: GROUNDWATER

Work Order: 25040659
Report Date: 16-May-25
Client Sample ID: XSG01
Collection Date: 04/21/2025 13:04

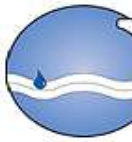
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.56	ft	1	04/21/2025 13:04	R363751



Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-020
Matrix: AQUEOUS

Work Order: 25040659
Report Date: 16-May-25
Client Sample ID: Field Blank
Collection Date: 04/22/2025 10:20

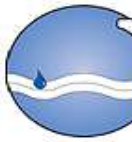
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		1	mg/L	1	04/23/2025 10:38	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:38	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		32	mg/L	1	04/25/2025 16:14	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50		ND	mg/L	10	04/23/2025 15:06	R363718
Chloride	NELAP	1.00	5.00		ND	mg/L	10	04/23/2025 15:06	R363718
Sulfate	NELAP	0.99	10.0		ND	mg/L	10	04/23/2025 15:06	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		0.130	mg/L	1	04/24/2025 16:17	237962
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	04/24/2025 16:17	237962
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	04/24/2025 16:17	237962
Sodium	NELAP	0.0180	0.0500		0.115	mg/L	1	04/24/2025 16:17	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Boron	NELAP	0.0092	0.025	J	0.015	mg/L	5	04/25/2025 8:44	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Chromium	NELAP	0.0007	0.0015	BJ	0.0012	mg/L	5	04/25/2025 1:54	237962
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/25/2025 1:54	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/25/2025 1:54	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 1:54	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 1:54	237962
<i>Contamination present in the MBLK for Cr. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:18	238009



Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-021
Matrix: GROUNDWATER

Work Order: 25040659
Report Date: 16-May-25
Client Sample ID: G02D Duplicate
Collection Date: 04/21/2025 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		36.25	ft	1	04/21/2025 13:15	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.5	NTU	1	04/21/2025 13:15	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		71	mV	1	04/21/2025 13:15	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		422	µS/cm	1	04/21/2025 13:15	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	04/21/2025 13:15	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.56	mg/L	1	04/21/2025 13:15	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.29		1	04/21/2025 13:15	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		158	mg/L	1	04/23/2025 10:41	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:41	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		254	mg/L	1	04/25/2025 16:16	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50	J	0.18	mg/L	10	04/23/2025 15:19	R363718
Chloride	NELAP	1.00	5.00		17.2	mg/L	10	04/23/2025 15:19	R363718
Sulfate	NELAP	0.99	10.0		16.4	mg/L	10	04/23/2025 15:19	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		35.5	mg/L	1	04/24/2025 16:18	237962
Magnesium	NELAP	0.0055	0.0500		9.95	mg/L	1	04/24/2025 16:18	237962
Potassium	NELAP	0.0400	0.100		1.18	mg/L	1	04/24/2025 16:18	237962
Sodium	NELAP	0.0180	0.0500		32.7	mg/L	1	04/24/2025 16:18	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 2:01	237962
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 2:01	237962
Barium	NELAP	0.0007	0.0010		0.192	mg/L	5	04/25/2025 2:01	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 2:01	237962
Boron	NELAP	0.0092	0.0250		0.0507	mg/L	5	04/25/2025 2:01	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 2:01	237962
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	04/30/2025 7:58	238214
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	04/25/2025 2:01	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 2:01	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/25/2025 2:01	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/25/2025 2:01	237962
Selenium	NELAP	0.0006	0.0010		0.0022	mg/L	5	04/25/2025 2:01	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 2:01	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:20	238009



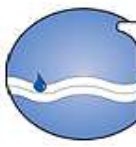
Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040659-022
Matrix: GROUNDWATER

Work Order: 25040659
Report Date: 16-May-25
Client Sample ID: G53D Duplicate
Collection Date: 04/21/2025 15:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		28.87	ft	1	04/21/2025 15:56	R363751
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.0	NTU	1	04/21/2025 15:56	R363751
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		106	mV	1	04/21/2025 15:56	R363751
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		524	µS/cm	1	04/21/2025 15:56	R363751
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	04/21/2025 15:56	R363751
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.42	mg/L	1	04/21/2025 15:56	R363751
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	04/21/2025 15:56	R363751
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		161	mg/L	1	04/23/2025 10:54	R363763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/23/2025 10:54	R363763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		324	mg/L	1	04/25/2025 16:14	R364026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.04	0.50		0.72	mg/L	10	04/23/2025 15:31	R363718
Chloride	NELAP	1.00	5.00		16.2	mg/L	10	04/23/2025 15:31	R363718
Sulfate	NELAP	0.99	10.0		61.2	mg/L	10	04/23/2025 15:31	R363718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		36.2	mg/L	1	04/24/2025 16:20	237962
Magnesium	NELAP	0.0055	0.0500		15.7	mg/L	1	04/24/2025 16:20	237962
Potassium	NELAP	0.0400	0.100		0.299	mg/L	1	04/24/2025 16:20	237962
Sodium	NELAP	0.0180	0.0500		42.9	mg/L	1	04/24/2025 16:20	237962
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Barium	NELAP	0.0007	0.0010		0.0936	mg/L	5	04/25/2025 2:07	237962
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Boron	NELAP	0.0092	0.0250		0.358	mg/L	5	04/25/2025 2:07	237962
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	04/28/2025 22:32	238139
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	04/25/2025 2:07	237962
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/25/2025 2:07	237962
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/25/2025 2:07	237962
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2025 2:07	237962
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/25/2025 2:07	237962
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/25/2025 14:22	238009



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25040659-001	G01D	Groundwater	2	04/21/2025 12:25
25040659-002	G02D	Groundwater	2	04/21/2025 13:15
25040659-003	G03	Groundwater	2	04/21/2025 14:13
25040659-004	G05	Groundwater	2	04/21/2025 15:32
25040659-005	G06	Groundwater	2	04/21/2025 15:03
25040659-006	G07	Groundwater	2	04/21/2025 15:35
25040659-007	G08	Groundwater	2	04/21/2025 14:15
25040659-008	G09	Groundwater	2	04/22/2025 10:21
25040659-009	G10	Groundwater	2	04/21/2025 13:26
25040659-010	G11	Groundwater	2	04/21/2025 14:47
25040659-011	G51D	Groundwater	2	04/21/2025 12:30
25040659-012	G52D	Groundwater	2	04/22/2025 10:42
25040659-013	G53D	Groundwater	2	04/21/2025 15:56
25040659-014	G54D	Groundwater	2	04/22/2025 10:04
25040659-015	SG03	Groundwater	1	04/21/2025 11:55
25040659-016	XPW01	Groundwater	2	04/22/2025 10:54
25040659-017	XPW02	Groundwater	2	04/22/2025 10:15
25040659-018	XPW03	Groundwater	2	04/22/2025 11:05
25040659-019	XSG01	Groundwater	1	04/21/2025 13:04
25040659-020	Field Blank	Aqueous	2	04/22/2025 10:20
25040659-021	G02D Duplicate	Groundwater	2	04/21/2025 13:15
25040659-022	G53D Duplicate	Groundwater	2	04/21/2025 15:56
25040659-023	Equipment Blank 1	Aqueous	2	
25040659-024	Equipment Blank 2	Aqueous	2	
25040659-025	Equipment Blank 3	Aqueous	2	

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

STANDARD METHODS 2510 B FIELD

Batch R363751		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-BG											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	04/21/2025	

Batch R363751		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	04/21/2025	

Batch R363751		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-PY											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	04/22/2025

Batch R363751		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	04/22/2025	

Batch R363751		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-JC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1420	1412	0	100.2	90	110	04/22/2025

SW-846 9040B FIELD

Batch R363751		SampType: LCS		Units							
SampID: LCS-1-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	04/21/2025	

Batch R363751		SampType: LCS		Units							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	04/21/2025	

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 9040B FIELD

Batch R363751		SampType: LCS		Units							
SampID: LCS-1-PY											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	04/22/2025	

Batch R363751		SampType: LCS		Units							
SampID: LCS-2-BG											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	04/22/2025	

Batch R363751		SampType: LCS		Units							
SampID: LCS-2-JC											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	04/22/2025	

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R364026		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/25/2025
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/25/2025
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/25/2025
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/25/2025
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/25/2025

Batch R364026		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		938	1000	0	93.8	90	110	04/25/2025
Total Dissolved Solids		20		932	1000	0	93.2	90	110	04/25/2025
Total Dissolved Solids		20		936	1000	0	93.6	90	110	04/25/2025
Total Dissolved Solids		20		944	1000	0	94.4	90	110	04/25/2025
Total Dissolved Solids		20		948	1000	0	94.8	90	110	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25040659-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		25		695				640.0	8.24	04/25/2025	

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25040659-021ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		256				254.0	0.78	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25040001-029ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1880				1952	3.76	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25041343-001BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1570				1620	3.39	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25041572-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	98				92.00	6.32	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25042101-001DDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	318				324.0	1.87	04/25/2025

Batch R364026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25042154-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		232				246.0	5.86	04/25/2025

Batch R364528		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/05/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/05/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R364528		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		962	1000	0	96.2	90	110	05/05/2025
Total Dissolved Solids		20		920	1000	0	92.0	90	110	05/05/2025

Batch R364528		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25050014-002BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		446				446.0	0.00	05/05/2025

Batch R364528		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25050214-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids			20		408				404.0	0.99	05/05/2025

Batch R364879		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/12/2025

Batch R364879		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20	E	9590	10000	0	95.9	90	110	05/12/2025	

Batch R364879		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25040659-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	546				500.0	8.80	05/12/2025

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R363718		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND	0.0040	0	0	0	100	04/23/2025	
Chloride		0.50		ND	0.1000	0	0	0	100	04/23/2025	
Sulfate		1.00		ND	0.0990	0	0	0	100	04/23/2025	

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R363718		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		1.05	1.000	0	105.2	90	110	04/23/2025
Chloride		0.50		20.9	20.00	0	104.7	90	110	04/23/2025
Sulfate		1.00		19.2	20.00	0	96.0	90	110	04/23/2025

Batch R363718		SampType: MS		Units mg/L						
SampID: 25040659-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	0.2570	104.0	80	120	04/23/2025
Chloride		5.00		221	200.0	11.96	104.6	80	120	04/23/2025
Sulfate		10.0		235	200.0	42.21	96.2	80	120	04/23/2025

Batch R363718		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 25040659-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.5	10.00	0.2570	102.9	10.66	1.09	04/23/2025
Chloride		5.00		219	200.0	11.96	103.6	221.2	0.95	04/23/2025
Sulfate		10.0		232	200.0	42.21	95.0	234.7	1.02	04/23/2025

Batch R363718		SampType: MS		Units mg/L						
SampID: 25040659-009AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.4	10.00	1.034	103.3	80	120	04/23/2025
Chloride		5.00		222	200.0	13.78	104.3	80	120	04/23/2025
Sulfate		10.0		423	200.0	252.6	85.3	80	120	04/23/2025

Batch R363718		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25040659-009AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		11.3	10.00	1.034	102.9	11.36	0.35	04/23/2025
Chloride		5.00		221	200.0	13.78	103.6	222.4	0.65	04/23/2025
Sulfate		10.0		455	200.0	252.6	101.1	423.2	7.18	04/23/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R363718		SampType: MS		Units mg/L						
SampID: 25040659-022AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.0	10.00	0.7250	102.9	80	120	04/23/2025
Chloride		5.00		225	200.0	16.17	104.2	80	120	04/23/2025
Sulfate		10.0		251	200.0	61.20	94.7	80	120	04/23/2025

Batch R363718		SampType: MSD		Units mg/L						RPD Limit 15	
SampID: 25040659-022AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.50		11.2	10.00	0.7250	104.9	11.02	1.74	04/23/2025	
Chloride		5.00		229	200.0	16.17	106.5	224.7	1.97	04/23/2025	
Sulfate		10.0		254	200.0	61.20	96.2	250.6	1.22	04/23/2025	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 237962		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-237962											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/24/2025	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/24/2025	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/24/2025	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/24/2025	

Batch 237962		SampType: LCS		Units mg/L						
SampID: LCS-237962										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.81	5.000	0	96.3	85	115	04/24/2025
Magnesium		0.0500		4.64	5.000	0	92.8	85	115	04/24/2025
Potassium		0.100		5.05	5.000	0	101.1	85	115	04/24/2025
Sodium		0.0500		4.90	5.000	0	98.0	85	115	04/24/2025

Batch 237962		SampType: MS		Units mg/L							Date Analyzed
SampID: 25040659-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		107	5.000	102.4	98.2	75	125		
Magnesium		0.0500		30.9	5.000	25.94	99.8	75	125		
Potassium		0.100	E	10.3	5.000	5.163	101.9	75	125		
Sodium		0.0500		74.6	5.000	70.07	91.4	75	125		

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 237962		SampType: MSD		Units mg/L				RPD Limit 20		
SampleID: 25040659-006BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	114	5.000	102.4	228.8	107.4	5.90	04/25/2025
Magnesium		0.0500	S	32.8	5.000	25.94	138.1	30.93	6.01	04/25/2025
Potassium		0.100	E	10.5	5.000	5.163	106.7	10.26	2.31	04/24/2025
Sodium		0.0500	S	79.4	5.000	70.07	186.2	74.64	6.16	04/25/2025

Batch 237962		SampType: MS		Units mg/L						
SampleID: 25040659-016BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	175	5.000	177.3	-55.0	75	125	04/24/2025
Magnesium		0.0500		4.96	5.000	0.4117	90.9	75	125	04/24/2025
Potassium		1.00	S	44.9	5.000	41.46	68.0	75	125	04/25/2025
Sodium		0.0500	S	40.8	5.000	38.19	52.8	75	125	04/24/2025

Batch	237962	SampType:	MSD	Units mg/L				RPD Limit			20
SampleID: 25040659-016BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		182	5.000	177.3	85.4	174.5	3.94	04/24/2025	
Magnesium		0.0500		5.17	5.000	0.4117	95.2	4.956	4.23	04/24/2025	
Potassium		1.00		45.5	5.000	41.46	79.9	44.86	1.32	04/25/2025	
Sodium		0.0500	S	41.9	5.000	38.19	74.4	40.83	2.61	04/24/2025	

Batch 238139		SampType: MBLK		Units mg/L						
SampleID: MBLK-238139										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/28/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/28/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/28/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/28/2025

Batch 238139		SampType: LCS		Units mg/L						
SampleID: LCS-238139										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.09	5.000	0	101.8	85	115	04/28/2025
Magnesium		0.0500		4.81	5.000	0	96.3	85	115	04/28/2025
Potassium		0.100		5.12	5.000	0	102.3	85	115	04/28/2025
Sodium		0.0500		5.17	5.000	0	103.5	85	115	04/28/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 238214		SampType: MBLK		Units mg/L						
SampID: MBLK-238214										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/29/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/29/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/29/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/29/2025

Batch 238214		SampType: LCS		Units mg/L							
SampID: LCS-238214											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		4.87	5.000	0	97.3	85	115	04/29/2025	
Magnesium		0.0500		4.49	5.000	0	89.8	85	115	04/29/2025	
Potassium		0.100		5.02	5.000	0	100.3	85	115	04/29/2025	
Sodium		0.0500		5.16	5.000	0	103.1	85	115	04/29/2025	

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 237962		SampType: MBLK		Units mg/L							
SampID: MBLK-237962											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/24/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/24/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	04/24/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	04/24/2025	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/24/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/24/2025	
Chromium		0.0015	S	0.0016	0.0007	0	230.7	-100	100	04/24/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	04/24/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/24/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	04/24/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	04/24/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/24/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/24/2025	

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 237962 SampType: LCS Units mg/L
SampleID: LCS-237962

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.13	1.000	0	113.3	80	120	04/24/2025
Arsenic		0.0010		1.02	1.000	0	101.8	80	120	04/24/2025
Barium		0.0010		4.54	4.000	0	113.4	80	120	04/24/2025
Beryllium		0.0010		0.0981	0.1000	0	98.1	80	120	04/24/2025
Boron		0.0250		0.981	1.000	0	98.1	80	120	04/24/2025
Cadmium		0.0010		0.110	0.1000	0	109.6	80	120	04/24/2025
Chromium		0.0015	B	0.409	0.4000	0	102.3	80	120	04/24/2025
Cobalt		0.0010		0.967	1.000	0	96.7	80	120	04/24/2025
Lead		0.0010		1.02	1.000	0	101.9	80	120	04/24/2025
Lithium	*	0.0030		0.955	1.000	0	95.5	80	120	04/24/2025
Molybdenum		0.0015		1.03	1.000	0	103.3	80	120	04/24/2025
Selenium		0.0010		1.01	1.000	0	101.3	80	120	04/24/2025
Thallium		0.0020		0.490	0.5000	0	98.1	80	120	04/24/2025

Batch 237962 SampType: MS Units mg/L
SampleID: 25040659-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.951	1.000	0	95.1	75	125	04/24/2025
Arsenic		0.0010		0.985	1.000	0.006322	97.9	75	125	04/24/2025
Barium		0.0010		4.38	4.000	0.2085	104.3	75	125	04/24/2025
Beryllium		0.0010		0.0935	0.1000	0.001186	92.3	75	125	04/24/2025
Boron		0.0250		5.63	1.000	4.652	97.5	75	125	04/25/2025
Cadmium		0.0010		0.103	0.1000	0	103.0	75	125	04/24/2025
Chromium		0.0015	B	0.435	0.4000	0.04414	97.7	75	125	04/24/2025
Cobalt		0.0010		0.948	1.000	0.005648	94.2	75	125	04/24/2025
Lead		0.0010		0.966	1.000	0.007757	95.9	75	125	04/24/2025
Lithium	*	0.0030		0.925	1.000	0.008530	91.7	75	125	04/24/2025
Molybdenum		0.0015		0.989	1.000	0.001659	98.7	75	125	04/24/2025
Selenium		0.0010		0.972	1.000	0	97.2	75	125	04/24/2025
Thallium		0.0020		0.467	0.5000	0	93.5	75	125	04/24/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 237962		SampType: MSD		Units mg/L				RPD Limit 20		
SampleID: 25040659-006BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.985	1.000	0	98.5	0.9512	3.51	04/24/2025
Arsenic		0.0010		0.987	1.000	0.006322	98.1	0.9851	0.23	04/24/2025
Barium		0.0010		4.48	4.000	0.2085	106.8	4.379	2.30	04/24/2025
Beryllium		0.0010		0.0973	0.1000	0.001186	96.1	0.09352	3.99	04/24/2025
Boron		0.0250		5.71	1.000	4.652	105.7	5.627	1.45	04/25/2025
Cadmium		0.0010		0.107	0.1000	0	107.4	0.1030	4.19	04/24/2025
Chromium		0.0015	B	0.450	0.4000	0.04414	101.5	0.4350	3.39	04/24/2025
Cobalt		0.0010		0.958	1.000	0.005648	95.2	0.9480	1.05	04/24/2025
Lead		0.0010		0.997	1.000	0.007757	99.0	0.9664	3.16	04/24/2025
Lithium	*	0.0030		0.938	1.000	0.008530	93.0	0.9254	1.37	04/24/2025
Molybdenum		0.0015		1.00	1.000	0.001659	99.9	0.9887	1.23	04/24/2025
Selenium		0.0010		0.974	1.000	0	97.4	0.9718	0.18	04/24/2025
Thallium		0.0020		0.481	0.5000	0	96.3	0.4673	2.95	04/24/2025

Batch 237962		SampType: MS		Units mg/L						
SampleID: 25040659-016BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.19	1.000	0	119.4	75	125	04/25/2025
Arsenic		0.0010		0.883	1.000	0.02678	85.6	75	125	04/25/2025
Barium		0.0010		4.78	4.000	0.1489	115.8	75	125	04/25/2025
Beryllium		0.0010		0.0964	0.1000	0	96.4	75	125	04/25/2025
Boron		0.0250	S	12.0	1.000	11.44	53.7	75	125	04/25/2025
Cadmium		0.0010		0.111	0.1000	0	110.8	75	125	04/25/2025
Cobalt		0.0010		0.894	1.000	0.0001485	89.4	75	125	04/25/2025
Lead		0.0010		1.03	1.000	0	103.5	75	125	04/25/2025
Lithium	*	0.0030		0.940	1.000	0	94.0	75	125	04/25/2025
Molybdenum		0.0015	E	1.29	1.000	0.2997	98.6	75	125	04/25/2025
Selenium		0.0010		0.843	1.000	0	84.3	75	125	04/25/2025
Thallium		0.0020		0.501	0.5000	0	100.1	75	125	04/25/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 237962		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 25040659-016BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		1.17	1.000	0	116.7	1.194	2.30	04/25/2025
Arsenic		0.0010		0.930	1.000	0.02678	90.4	0.8826	5.27	04/25/2025
Barium		0.0010		4.74	4.000	0.1489	114.9	4.782	0.80	04/25/2025
Beryllium		0.0010		0.0969	0.1000	0	96.9	0.09643	0.53	04/25/2025
Boron		0.0250	S	12.0	1.000	11.44	59.5	11.98	0.48	04/25/2025
Cadmium		0.0010		0.108	0.1000	0	108.0	0.1108	2.57	04/25/2025
Cobalt		0.0010		0.927	1.000	0.0001485	92.7	0.8938	3.64	04/25/2025
Lead		0.0010		1.05	1.000	0	104.6	1.035	1.03	04/25/2025
Lithium	*	0.0030		0.933	1.000	0	93.3	0.9398	0.67	04/25/2025
Molybdenum		0.0015	E	1.32	1.000	0.2997	102.3	1.285	2.85	04/25/2025
Selenium		0.0010		0.878	1.000	0	87.8	0.8433	4.02	04/25/2025
Thallium		0.0020		0.521	0.5000	0	104.2	0.5007	3.96	04/25/2025

Batch 238139		SampType: MBLK		Units mg/L						
SampID: MBLK-238139										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/28/2025

Batch 238139		SampType: LCS		Units mg/L						
SampID: LCS-238139										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0015		0.404	0.4000	0	101.0	80	120	04/28/2025

Batch 238139		SampType: MS		Units mg/L							
SampID: 25040659-016BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium		0.0015		0.383	0.4000	0	95.9	75	125	04/28/2025	

Batch 238139		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25040659-016BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium			0.0015		0.413	0.4000	0	103.2	0.3834	7.42	04/28/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 238214 SampType: MBLK Units mg/L

SampID: MBLK-238214

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/30/2025
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/30/2025
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/30/2025

Batch 238214 SampType: LCS Units mg/L

SampID: LCS-238214

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		0.962	1.000	0	96.2	80	120	04/30/2025
Chromium		0.0015		0.386	0.4000	0	96.5	80	120	04/30/2025
Lead		0.0010		1.01	1.000	0	100.9	80	120	04/30/2025

Batch 238214 SampType: MS Units mg/L

SampID: 25042341-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		1.08	1.000	0.003271	107.3	75	125	04/30/2025
Lead		0.0010		1.07	1.000	0.001418	107.2	75	125	04/30/2025

Batch 238214 SampType: MSD Units mg/L

SampID: 25042341-019BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		1.02	1.000	0.003271	101.5	1.076	5.49	04/30/2025
Lead		0.0010		1.06	1.000	0.001418	105.5	1.073	1.58	04/30/2025

Batch 238513 SampType: MBLK Units mg/L

SampID: MBLK-238513

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	05/05/2025
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	05/05/2025
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	05/05/2025
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	05/05/2025
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	05/05/2025
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	05/05/2025
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	05/05/2025
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	05/05/2025
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	05/05/2025
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	05/05/2025

Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2

Work Order: 25040659
Report Date: 16-May-25

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 238513		SampType: LCS		Units mg/L						
SampID: LCS-238513										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		1.08	1.000	0	107.6	80	120	05/05/2025
Barium		0.0010		4.62	4.000	0	115.5	80	120	05/05/2025
Boron		0.0250		1.02	1.000	0	101.7	80	120	05/05/2025
Cadmium		0.0010		0.109	0.1000	0	109.2	80	120	05/05/2025
Chromium		0.0015		0.424	0.4000	0	105.9	80	120	05/05/2025
Cobalt		0.0010		1.02	1.000	0	102.0	80	120	05/05/2025
Lead		0.0010		1.05	1.000	0	104.5	80	120	05/05/2025
Lithium	*	0.0030		0.988	1.000	0	98.8	80	120	05/05/2025
Molybdenum		0.0015		1.06	1.000	0	106.5	80	120	05/05/2025
Thallium		0.0020		0.499	0.5000	0	99.9	80	120	05/05/2025

SW-846 7470A (TOTAL)

Batch 238009		SampType: MBLK		Units mg/L							
SampID: MBLK-238009											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	04/25/2025	

Batch 238009		SampType: LCS		Units mg/L							
SampID: LCS-238009											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00458	0.0050	0	91.7	85	115	04/25/2025	

Batch 238009		SampType: MS		Units mg/L							
SampID: 25040659-005BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00491	0.0050	0.0001808	94.6	75	125	04/25/2025	

Batch 238009		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25040659-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00470	0.0050	0.0001808	90.4	0.004909	4.38	04/25/2025

Batch 238009		SampType: MS		Units mg/L							Date Analyzed
SampID: 25040659-013BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00433	0.0050	0	86.6	75	125	04/25/2025	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

SW-846 7470A (TOTAL)

Batch 238009		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25040659-013BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00445	0.0050	0	88.9	0.004329	2.70	04/25/2025	

Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040659

Client Project: JOP-25Q2

Report Date: 16-May-25

Carrier: Brett Gillihan

Received By: LEH

Completed by:

On:

22-Apr-25

Laura E Henson

Reviewed by:

On:

22-Apr-25

Ellie Hopkins

Pages to follow:

Chain of custody

2

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.1

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☒

Lab ☐

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

pH strip #101358. -JD/ lhenson - 4/22/2025 4:12:09 PM

Cooler #2 4.5C, Cooler #3 3.7C LTG #5. JD 4/22/25

CHAIN-OF-CUSTODY / Analytical Request Document

25040659

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: Vistra Corp-Joppa		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 2100 Portland Road		Copy To: Roger Faughn - roger.faughn@vistracorp.com		Company Name: Vistra Corp			
Joppa, IL 62953				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test JOP-257-401 JOP-845-401	Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other			
1	G01D		WT	G	4-21-25	1225		2	1	1							X	X	25040659-001
2	G02D		WT	G	4-21-25	1315		2	1	1							X	X	25040659-002
3	G03		WT	G	4-21-25	1413		2	1	1							X	X	25040659-003
4	G05		WT	G	4-21-25	1532		2	1	1							X	X	25040659-004
5	G06		WT	G	4-21-25	1503		2	1	1							X	X	25040659-005
6	G07		WT	G	4-21-25	1535		2	1	1							X	X	25040659-006
7	G08		WT	G	4-21-25	1415		2	1	1							X	X	25040659-007
8	G09		WT	G	4-21-25	1021		2	1	1							X	X	25040659-008
9	G10		WT	G	4-21-25	1326		2	1	1							X	X	25040659-009
10	G11		WT	G	4-21-25	1447		2	1	1							X	X	25040659-010
11	G51D		WT	G	4-21-25	1230		2	1	1							X	X	25040659-011
12	G52D		WT	G	4-21-25	1042		2	1	1							X	X	25040659-012
13	G53D		WT	G	4-21-25	1556		2	1	1							X	X	25040659-013
14	G54D		WT	G	4-21-25	1004		2	1	1							X	X	25040659-014
15	SG03		WT	G				0									X	X	25040659-015
16	XPW01		WT	G	4-21-25	1056		2	1	1							X	X	25040659-016
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS						
JOP-25Q2 Rev 0					Justin Colp		4-22-25	1515	Justin Colp		4/22/25	1515							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Colp		DATE Signed (MM/DD/YY): 4-21-25	
SIGNATURE of SAMPLER: <i>Justin Colp</i>			

Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Col					
SIGNATURE of SAMPLER: Justin Col	DATE Signed (MM/DD/YY): 4-21-75				

May 27, 2025

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: JOP-25Q2

WorkOrder: 25040660

Dear Eric Bauer:

TEKLAB, INC received 20 samples on 4/22/2025 3:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

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Chain of Custody	Appended



Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)



Definitions

<http://www.teklabinc.com/>

Client: Ramboll

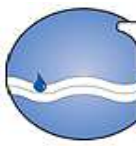
Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

Cooler Receipt Temp: 3.1 °C

An employee of Teklab, Inc. collected the sample(s).

Equipment Blanks were not required. - EAH 4/24/25

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC data.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

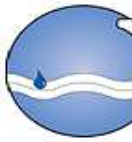
Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

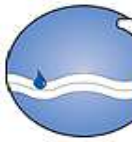
Lab ID: 25040660-001

Client Sample ID: G01D

Matrix: GROUNDWATER

Collection Date: 04/21/2025 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:01	R365566

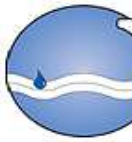


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040660
Client Project: JOP-25Q2 **Report Date:** 27-May-25
Lab ID: 25040660-002 **Client Sample ID:** G02D
Matrix: GROUNDWATER **Collection Date:** 04/21/2025 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:01	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

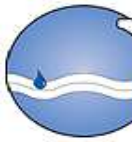
Lab ID: 25040660-003

Client Sample ID: G03

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:01	R365566



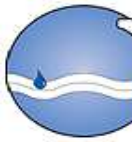
Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040660-004
Matrix: GROUNDWATER

Work Order: 25040660
Report Date: 27-May-25
Client Sample ID: G05
Collection Date: 04/21/2025 15:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

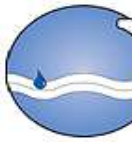
Lab ID: 25040660-005

Client Sample ID: G06

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566

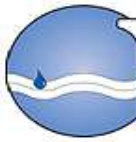


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040660
Client Project: JOP-25Q2 **Report Date:** 27-May-25
Lab ID: 25040660-006 **Client Sample ID:** G07
Matrix: GROUNDWATER **Collection Date:** 04/21/2025 15:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

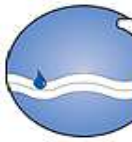
Lab ID: 25040660-007

Client Sample ID: G08

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

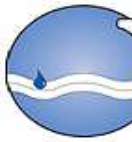
Lab ID: 25040660-008

Client Sample ID: G09

Matrix: GROUNDWATER

Collection Date: 04/22/2025 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

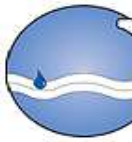
Lab ID: 25040660-009

Client Sample ID: G10

Matrix: GROUNDWATER

Collection Date: 04/21/2025 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

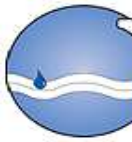
Lab ID: 25040660-010

Client Sample ID: G11

Matrix: GROUNDWATER

Collection Date: 04/21/2025 14:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



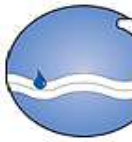
Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040660-011
Matrix: GROUNDWATER

Work Order: 25040660
Report Date: 27-May-25
Client Sample ID: G51D
Collection Date: 04/21/2025 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566

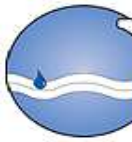


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040660
Client Project: JOP-25Q2 **Report Date:** 27-May-25
Lab ID: 25040660-012 **Client Sample ID:** G52D
Matrix: GROUNDWATER **Collection Date:** 04/22/2025 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

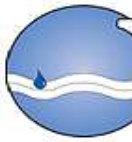
Lab ID: 25040660-013

Client Sample ID: G53D

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:03	R365566

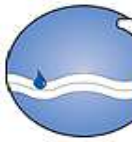


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040660
Client Project: JOP-25Q2 **Report Date:** 27-May-25
Lab ID: 25040660-014 **Client Sample ID:** G54D
Matrix: GROUNDWATER **Collection Date:** 04/22/2025 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:04	R365566

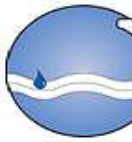


Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll **Work Order:** 25040660
Client Project: JOP-25Q2 **Report Date:** 27-May-25
Lab ID: 25040660-015 **Client Sample ID:** Field Blank
Matrix: AQUEOUS **Collection Date:** 04/22/2025 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:04	R365566



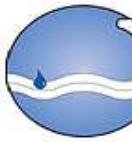
Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: JOP-25Q2
Lab ID: 25040660-016
Matrix: GROUNDWATER

Work Order: 25040660
Report Date: 27-May-25
Client Sample ID: G02D Duplicate
Collection Date: 04/21/2025 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:04	R365566



Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

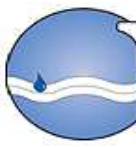
Lab ID: 25040660-017

Client Sample ID: G53D Duplicate

Matrix: GROUNDWATER

Collection Date: 04/21/2025 15:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/21/2025 12:04	R365566



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25040660-001	G01D	Groundwater	1	04/21/2025 12:25
25040660-002	G02D	Groundwater	1	04/21/2025 13:15
25040660-003	G03	Groundwater	1	04/21/2025 14:13
25040660-004	G05	Groundwater	1	04/21/2025 15:32
25040660-005	G06	Groundwater	1	04/21/2025 15:03
25040660-006	G07	Groundwater	1	04/21/2025 15:35
25040660-007	G08	Groundwater	1	04/21/2025 14:15
25040660-008	G09	Groundwater	1	04/22/2025 10:21
25040660-009	G10	Groundwater	1	04/21/2025 13:26
25040660-010	G11	Groundwater	1	04/21/2025 14:47
25040660-011	G51D	Groundwater	1	04/21/2025 12:30
25040660-012	G52D	Groundwater	1	04/22/2025 10:42
25040660-013	G53D	Groundwater	1	04/21/2025 15:56
25040660-014	G54D	Groundwater	1	04/22/2025 10:04
25040660-015	Field Blank	Aqueous	1	04/22/2025 10:20
25040660-016	G02D Duplicate	Groundwater	1	04/21/2025 13:15
25040660-017	G53D Duplicate	Groundwater	1	04/21/2025 15:56
25040660-018	Equipment Blank 1	Aqueous	1	
25040660-019	Equipment Blank 2	Aqueous	1	
25040660-020	Equipment Blank 3	Aqueous	1	

Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 25040660

Client Project: JOP-25Q2

Report Date: 27-May-25

Carrier: Brett Gillihan

Received By: LEH

Completed by:

On:

22-Apr-25

Laura E Henson

Reviewed by:

On:

22-Apr-25

Ellie Hopkins

Pages to follow:

Chain of custody

2

Extra pages included

25

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C

3.1

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice

☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☒

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

pH strip #101358. - JD/lhenson - 4/22/2025 4:14:09 PM

Additional nitric acid (102639) was needed in G10 and G53D duplicate upon arrival at the laboratory. - JD/lhenson/EAH - 4/22/2025 4:14:13 PM

Cooler #2 = 4.5C (LTG 5) and Cooler #3 = 3.7C (LTG 5). - JD/ehurley - 5/27/2025 1:52:00 PM

Added HNO_3 (162639)
1/2 G10, G53D
Dupe
JD 4/22/25

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

25040660

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 2													
Company: Vistra Corp-Joppa		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER													
Address: 2100 Portland Road		Copy To: Roger Faughn - roger.faughn@vistracorp.com		Company Name: Vistra Corp															
Joppa, IL 62953				Address: see Section A															
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location													
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE: IL													
Requested Due Date/TAT: 10 day		Project Number:		Profile #:															
				Requested Analysis Filtered (Y/N)		Ra226/228, only													
ITEM #	Section D Required Client Information Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test JOP-257-401 JOP-845-401	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other				
1	XPW02	WT	G	4-22-25	1018		0											N/A	
2	XPW03	WT	G	4-22-25	1105		0											N/A	
3	XSG01	WT	G				0											N/A	
4	Field Blank	WT	G	4-22-25	1020		2	2										25040660-015	
5	G02D Duplicate	WT	G	4-21-25	1315		2	2										25040660-016	
6	G53D Duplicate	WT	G	4-21-25	1556		2	2										25040660-017	
7	Equipment Blank 1	WT	G				2	2										25040660-018	
8	Equipment Blank 2	WT	G				2	2										25040660-019	
9	Equipment Blank 3	WT	G				2	2										25040660-020	
10																			
11																			
12																			
13																			
14																			
15																			
16																			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS									
JOP-25Q2 Rev 0		[Signature]		4-22-25	1515	[Signature]		4/22/25	1515	Y		N							
SAMPLER NAME AND SIGNATURE										Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)			
PRINT Name of SAMPLER: Justin Colp																			
SIGNATURE of SAMPLER: [Signature]										DATE Signed (MM/DD/YY): 4-21-25									



ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 5/22/2025 2:59:20 PM

JOB DESCRIPTION

Radium-226 and Radium-228
25040660

JOB NUMBER

160-57891-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
5/22/2025 2:59:20 PM

Authorized for release by
Erika Smith, Project Manager
erika.smith@et.eurofinsus.com
(314)298-8566

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Client: ~~VERLUS, Inc~~
Project: Radium-226 and Radium-228

Case Narrative

Job ID: 160-57891-1

Job ID: 160-57891-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 25040660

Report Number: 160-57891-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt

The samples were received on 4/25/2025 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 19.5°C and 20.1°C.

Receipt Exceptions

The client sent a follow up request to update the collection date of sample 25040660-008; from 4/21/25 to 4/22/25. The email is included in the final report for documentation purposes.

Method 903.0 - Radium-226 (GFPC)

Samples 25040660-001 (160-57891-1), 25040660-002 (160-57891-2), 25040660-003 (160-57891-3), 25040660-004 (160-57891-4), 25040660-005 (160-57891-5), 25040660-006 (160-57891-6), 25040660-007 (160-57891-7), 25040660-008 (160-57891-8), 25040660-009 (160-57891-9), 25040660-010 (160-57891-10), 25040660-011 (160-57891-11), 25040660-012 (160-57891-12), 25040660-013 (160-57891-13), 25040660-014 (160-57891-14), 25040660-015 (160-57891-15), 25040660-016 (160-57891-16) and 25040660-017 (160-57891-17) were analyzed for Radium-226 (GFPC). The samples were prepared on 4/29/2025 and analyzed on 5/21/2025.

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 25040660-001 (160-57891-1) and 25040660-006 (160-57891-6)

Method 904.0 - Radium-228 (GFPC)

Samples 25040660-001 (160-57891-1), 25040660-002 (160-57891-2), 25040660-003 (160-57891-3), 25040660-004 (160-57891-4), 25040660-005 (160-57891-5), 25040660-006 (160-57891-6), 25040660-007 (160-57891-7), 25040660-008

Eurofins St. Louis

Case Narrative

Client: VERLUS, INC

Job ID: 160-57891-1

Project: Radium-226 and Radium-228

Job ID: 160-57891-1 (Continued)

Eurofins St. Louis

(160-57891-8), 25040660-009 (160-57891-9), 25040660-010 (160-57891-10), 25040660-011 (160-57891-11), 25040660-012 (160-57891-12), 25040660-013 (160-57891-13), 25040660-014 (160-57891-14), 25040660-015 (160-57891-15), 25040660-016 (160-57891-16) and 25040660-017 (160-57891-17) were analyzed for Radium-228 (GFPC). The samples were prepared on 4/29/2025 and analyzed on 5/21/2025.

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 25040660-001 (160-57891-1), 25040660-003 (160-57891-3), 25040660-005 (160-57891-5), 25040660-006 (160-57891-6), 25040660-007 (160-57891-7), 25040660-008 (160-57891-8), 25040660-009 (160-57891-9) and 25040660-010 (160-57891-10)

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 25040660-001 (160-57891-1), 25040660-002 (160-57891-2), 25040660-003 (160-57891-3), 25040660-004 (160-57891-4), 25040660-005 (160-57891-5), 25040660-006 (160-57891-6), 25040660-007 (160-57891-7), 25040660-008 (160-57891-8), 25040660-009 (160-57891-9), 25040660-010 (160-57891-10), 25040660-011 (160-57891-11), 25040660-012 (160-57891-12), 25040660-013 (160-57891-13), 25040660-014 (160-57891-14), 25040660-015 (160-57891-15), 25040660-016 (160-57891-16) and 25040660-017 (160-57891-17) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 5/22/2025.

Eurofins St. Louis

Are the samples chilled? ☐ YES ☒ NO

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab

QC Level: 2

Project#

25040660

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

Billing/PO: 38351

Phone: (618) 344-1004

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	25040660-001	4/21/25 12:25	HNO3	Groundwater
	25040660-002	4/21/25 13:15	HNO3	Groundwater
	25040660-003	4/21/25 14:13	HNO3	Groundwater
	25040660-004	4/21/25 15:32	HNO3	Groundwater
	25040660-005	4/21/25 15:03	HNO3	Groundwater
	25040660-006	4/21/25 15:35	HNO3	Groundwater
	25040660-007	4/21/25 14:15	HNO3	Groundwater
	25040660-008	4/21/25 10:21	HNO3	Groundwater
	25040660-009	4/21/25 13:26	HNO3	Groundwater
	25040660-010	4/21/25 14:47	HNO3	Groundwater
	25040660-011	4/21/25 12:30	HNO3	Groundwater

160-57891 Chain of Custody

*Relinquished By

Date/Time/

Received By

Date/Time: _____

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project# 25040660

Cooler Temp: Sampler: QC Level: 2

Comments: **Please issue reports and invoices via email only**

Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.

Method changes require Teklab authorization. Samples collected from an IL site.

Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley
 Standard TAT

Requested Due Date:

Email: ehurley@teklabinc.com

Billing/PO: 38351

Phone: (618) 344-1004

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	25040660-012	4/22/25 10:42	HNO3	Groundwater
	25040660-013	4/21/25 15:56	HNO3	Groundwater
	25040660-014	4/22/25 10:04	HNO3	Groundwater
	25040660-015	4/22/25 10:20	HNO3	Aqueous
	25040660-016	4/21/25 13:15	HNO3	Groundwater
	25040660-017	4/21/25 15:56	HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
	4/05/05 100		4/05/05 100
	4/05/05		4/25/05 1230

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-57891-1

SDG Number: 25040660

Login Number: 57891

List Number: 1

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

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

Definitions/Glossary

Client: Teklab, Inc.
Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Method Summary

Client: Teklab, Inc.
Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Teklab Inc.

Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1

SDG: 25040660

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57891-1	25040660-001	Water	04/21/25 12:25	04/25/25 12:30
160-57891-2	25040660-002	Water	04/21/25 13:15	04/25/25 12:30
160-57891-3	25040660-003	Water	04/21/25 14:13	04/25/25 12:30
160-57891-4	25040660-004	Water	04/21/25 15:32	04/25/25 12:30
160-57891-5	25040660-005	Water	04/21/25 15:03	04/25/25 12:30
160-57891-6	25040660-006	Water	04/21/25 15:35	04/25/25 12:30
160-57891-7	25040660-007	Water	04/21/25 14:15	04/25/25 12:30
160-57891-8	25040660-008	Water	04/22/25 10:21	04/25/25 12:30
160-57891-9	25040660-009	Water	04/21/25 13:26	04/25/25 12:30
160-57891-10	25040660-010	Water	04/21/25 14:47	04/25/25 12:30
160-57891-11	25040660-011	Water	04/21/25 12:30	04/25/25 12:30
160-57891-12	25040660-012	Water	04/22/25 10:42	04/25/25 12:30
160-57891-13	25040660-013	Water	04/21/25 15:56	04/25/25 12:30
160-57891-14	25040660-014	Water	04/22/25 10:04	04/25/25 12:30
160-57891-15	25040660-015	Water	04/22/25 10:20	04/25/25 12:30
160-57891-16	25040660-016	Water	04/21/25 13:15	04/25/25 12:30
160-57891-17	25040660-017	Water	04/21/25 15:56	04/25/25 12:30

Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-001

Lab Sample ID: 160-57891-1

Date Collected: 04/21/25 12:25

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.429	U G	0.773	0.774	1.00	1.35	pCi/L	04/29/25 08:57	05/21/25 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	56.3		30 - 110					04/29/25 08:57	05/21/25 15:01	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.824	U G	0.979	0.982	1.00	1.61	pCi/L	04/29/25 09:01	05/21/25 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	56.3		30 - 110					04/29/25 09:01	05/21/25 12:01	1
Y Carrier	85.2		30 - 110					04/29/25 09:01	05/21/25 12:01	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.25	U	1.25	1.25	5.00	1.61	pCi/L		05/22/25 13:43	1

Client Sample ID: 25040660-002

Lab Sample ID: 160-57891-2

Date Collected: 04/21/25 13:15

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.511		0.284	0.288	1.00	0.370	pCi/L	04/29/25 08:57	05/21/25 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/29/25 08:57	05/21/25 15:01	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0733	U	0.266	0.266	1.00	0.483	pCi/L	04/29/25 09:01	05/21/25 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/29/25 09:01	05/21/25 12:01	1
Y Carrier	87.9		30 - 110					04/29/25 09:01	05/21/25 12:01	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.584		0.389	0.392	5.00	0.483	pCi/L		05/22/25 13:43	1

Eurofins St. Louis

Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-003

Lab Sample ID: 160-57891-3

Date Collected: 04/21/25 14:13

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.128	U	0.266	0.267	1.00	0.496	pCi/L	04/29/25 08:57	05/21/25 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					04/29/25 08:57	05/21/25 15:02	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.223	U G	0.572	0.573	1.00	1.02	pCi/L	04/29/25 09:01	05/21/25 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					04/29/25 09:01	05/21/25 12:01	1
Y Carrier	85.2		30 - 110					04/29/25 09:01	05/21/25 12:01	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.350	U	0.631	0.632	5.00	1.02	pCi/L		05/22/25 13:43	1

Client Sample ID: 25040660-004

Lab Sample ID: 160-57891-4

Date Collected: 04/21/25 15:32

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.531		0.256	0.260	1.00	0.280	pCi/L	04/29/25 08:57	05/21/25 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					04/29/25 08:57	05/21/25 15:02	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.461	U	0.337	0.339	1.00	0.512	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	86.0		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.992		0.423	0.427	5.00	0.512	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-005

Lab Sample ID: 160-57891-5

Date Collected: 04/21/25 15:03

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.825	U	0.611	0.616	1.00	0.870	pCi/L	04/29/25 08:57	05/21/25 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.2		30 - 110					04/29/25 08:57	05/21/25 15:02	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U G	0.712	0.713	1.00	1.20	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.2		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	86.7		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.34		0.938	0.942	5.00	1.20	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-006

Lab Sample ID: 160-57891-6

Date Collected: 04/21/25 15:35

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.847	U G	0.718	0.722	1.00	1.07	pCi/L	04/29/25 08:57	05/21/25 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.4		30 - 110					04/29/25 08:57	05/21/25 15:02	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.320	U G	1.10	1.10	1.00	1.96	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.4		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	84.9		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17	U	1.31	1.32	5.00	1.96	pCi/L		05/22/25 13:56	1

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Client: Teklab
Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-007

Date Collected: 04/21/25 14:15

Date Received: 04/25/25 12:30

Lab Sample ID: 160-57891-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.281	U	0.401	0.402	1.00	0.682	pCi/L	04/29/25 08:57	05/21/25 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					04/29/25 08:57	05/21/25 15:02	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.194	U G	0.545	0.545	1.00	1.06	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	86.4		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.281	U	0.677	0.677	5.00	1.06	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-008

Date Collected: 04/22/25 10:21

Date Received: 04/25/25 12:30

Lab Sample ID: 160-57891-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.105	U	0.415	0.415	1.00	0.790	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.697	U G	0.722	0.725	1.00	1.17	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	85.2		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.802	U	0.833	0.835	5.00	1.17	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-009

Lab Sample ID: 160-57891-9

Date Collected: 04/21/25 13:26

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.910		0.507	0.513	1.00	0.621	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.39	G	0.783	0.794	1.00	1.12	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	83.7		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.30		0.933	0.945	5.00	1.12	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-010

Lab Sample ID: 160-57891-10

Date Collected: 04/21/25 14:47

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.684	U	0.606	0.609	1.00	0.900	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.8		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.955	U G	1.03	1.03	1.00	1.67	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.8		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	86.7		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.64	U	1.20	1.20	5.00	1.67	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-011

Lab Sample ID: 160-57891-11

Date Collected: 04/21/25 12:30

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0487	U	0.235	0.235	1.00	0.460	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.241	U	0.363	0.364	1.00	0.747	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	87.1		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0487	U	0.432	0.433	5.00	0.747	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-012

Lab Sample ID: 160-57891-12

Date Collected: 04/22/25 10:42

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.299	U	0.218	0.220	1.00	0.301	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.599		0.330	0.334	1.00	0.459	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	87.1		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.898		0.396	0.400	5.00	0.459	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-013

Lab Sample ID: 160-57891-13

Date Collected: 04/21/25 15:56

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179	U	0.178	0.178	1.00	0.267	pCi/L	04/29/25 08:57	05/21/25 15:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					04/29/25 08:57	05/21/25 15:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0610	U	0.260	0.261	1.00	0.513	pCi/L	04/29/25 09:01	05/21/25 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					04/29/25 09:01	05/21/25 12:03	1
Y Carrier	87.5		30 - 110					04/29/25 09:01	05/21/25 12:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.179	U	0.315	0.316	5.00	0.513	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-014

Lab Sample ID: 160-57891-14

Date Collected: 04/22/25 10:04

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.557		0.289	0.294	1.00	0.349	pCi/L	04/29/25 08:57	05/21/25 15:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					04/29/25 08:57	05/21/25 15:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.739		0.409	0.414	1.00	0.584	pCi/L	04/29/25 09:01	05/21/25 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					04/29/25 09:01	05/21/25 12:04	1
Y Carrier	83.7		30 - 110					04/29/25 09:01	05/21/25 12:04	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.30		0.501	0.508	5.00	0.584	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-015

Lab Sample ID: 160-57891-15

Date Collected: 04/22/25 10:20

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0111	U	0.201	0.201	1.00	0.419	pCi/L	04/29/25 08:57	05/21/25 15:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.7		30 - 110					04/29/25 08:57	05/21/25 15:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.113	U	0.378	0.378	1.00	0.677	pCi/L	04/29/25 09:01	05/21/25 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.7		30 - 110					04/29/25 09:01	05/21/25 12:04	1
Y Carrier	81.5		30 - 110					04/29/25 09:01	05/21/25 12:04	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.113	U	0.428	0.428	5.00	0.677	pCi/L		05/22/25 13:56	1

Client Sample ID: 25040660-016

Lab Sample ID: 160-57891-16

Date Collected: 04/21/25 13:15

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.241	0.241	1.00	0.429	pCi/L	04/29/25 08:57	05/21/25 15:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					04/29/25 08:57	05/21/25 15:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0627	U	0.328	0.328	1.00	0.592	pCi/L	04/29/25 09:01	05/21/25 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					04/29/25 09:01	05/21/25 12:04	1
Y Carrier	88.2		30 - 110					04/29/25 09:01	05/21/25 12:04	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.179	U	0.407	0.407	5.00	0.592	pCi/L		05/22/25 13:56	1

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Client Sample Results

Job ID: 160-57891-1
SDG: 25040660

Client Sample ID: 25040660-017

Lab Sample ID: 160-57891-17

Date Collected: 04/21/25 15:56

Matrix: Water

Date Received: 04/25/25 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.260	U	0.268	0.269	1.00	0.426	pCi/L	04/29/25 08:57	05/21/25 15:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					04/29/25 08:57	05/21/25 15:05	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0505	U	0.324	0.324	1.00	0.613	pCi/L	04/29/25 09:01	05/21/25 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					04/29/25 09:01	05/21/25 12:04	1
Y Carrier	85.6		30 - 110					04/29/25 09:01	05/21/25 12:04	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.260	U	0.420	0.421	5.00	0.613	pCi/L		05/22/25 13:56	1

QC Sample Results

Job ID: 160-57891-1
SDG: 25040660

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-715214/1-A
Matrix: Water
Analysis Batch: 718627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715214

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1103	U	0.187	0.187	1.00	0.329	pCi/L	04/29/25 08:57	05/21/25 15:00	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					04/29/25 08:57	05/21/25 15:00	1

Lab Sample ID: LCS 160-715214/2-A
Matrix: Water
Analysis Batch: 718627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715214

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.655		1.32	1.00	0.369	pCi/L	101	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	82.1		30 - 110							

Lab Sample ID: 160-57891-2 DU
Matrix: Water
Analysis Batch: 718627

Client Sample ID: 25040660-002
Prep Type: Total/NA
Prep Batch: 715214

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.511		0.4412		0.252	1.00	0.311	pCi/L	0.13	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	88.7		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-715216/1-A
Matrix: Water
Analysis Batch: 718627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715216

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2724	U	0.321	0.322	1.00	0.528	pCi/L	04/29/25 09:01	05/21/25 12:01	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					04/29/25 09:01	05/21/25 12:01	1
Y Carrier	86.4		30 - 110					04/29/25 09:01	05/21/25 12:01	1

QC Sample Results

Job ID: 160-57891-1
SDG: 25040660

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-715216/2-A
Matrix: Water
Analysis Batch: 718627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715216

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.42	10.04		1.37	1.00	0.532	pCi/L	107	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.1		30 - 110
Y Carrier	84.1		30 - 110

Lab Sample ID: 160-57891-2 DU
Matrix: Water
Analysis Batch: 718627

Client Sample ID: 25040660-002
Prep Type: Total/NA
Prep Batch: 715216

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.0733	U	0.2587	U	0.299	1.00	0.489	pCi/L	0.33	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	88.7		30 - 110
Y Carrier	83.0		30 - 110

QC Association Summary

Client: Tellico
Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Rad

Prep Batch: 715214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57891-1	25040660-001	Total/NA	Water	PrecSep-21	
160-57891-2	25040660-002	Total/NA	Water	PrecSep-21	
160-57891-3	25040660-003	Total/NA	Water	PrecSep-21	
160-57891-4	25040660-004	Total/NA	Water	PrecSep-21	
160-57891-5	25040660-005	Total/NA	Water	PrecSep-21	
160-57891-6	25040660-006	Total/NA	Water	PrecSep-21	
160-57891-7	25040660-007	Total/NA	Water	PrecSep-21	
160-57891-8	25040660-008	Total/NA	Water	PrecSep-21	
160-57891-9	25040660-009	Total/NA	Water	PrecSep-21	
160-57891-10	25040660-010	Total/NA	Water	PrecSep-21	
160-57891-11	25040660-011	Total/NA	Water	PrecSep-21	
160-57891-12	25040660-012	Total/NA	Water	PrecSep-21	
160-57891-13	25040660-013	Total/NA	Water	PrecSep-21	
160-57891-14	25040660-014	Total/NA	Water	PrecSep-21	
160-57891-15	25040660-015	Total/NA	Water	PrecSep-21	
160-57891-16	25040660-016	Total/NA	Water	PrecSep-21	
160-57891-17	25040660-017	Total/NA	Water	PrecSep-21	
MB 160-715214/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-715214/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57891-2 DU	25040660-002	Total/NA	Water	PrecSep-21	

Prep Batch: 715216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57891-1	25040660-001	Total/NA	Water	PrecSep_0	
160-57891-2	25040660-002	Total/NA	Water	PrecSep_0	
160-57891-3	25040660-003	Total/NA	Water	PrecSep_0	
160-57891-4	25040660-004	Total/NA	Water	PrecSep_0	
160-57891-5	25040660-005	Total/NA	Water	PrecSep_0	
160-57891-6	25040660-006	Total/NA	Water	PrecSep_0	
160-57891-7	25040660-007	Total/NA	Water	PrecSep_0	
160-57891-8	25040660-008	Total/NA	Water	PrecSep_0	
160-57891-9	25040660-009	Total/NA	Water	PrecSep_0	
160-57891-10	25040660-010	Total/NA	Water	PrecSep_0	
160-57891-11	25040660-011	Total/NA	Water	PrecSep_0	
160-57891-12	25040660-012	Total/NA	Water	PrecSep_0	
160-57891-13	25040660-013	Total/NA	Water	PrecSep_0	
160-57891-14	25040660-014	Total/NA	Water	PrecSep_0	
160-57891-15	25040660-015	Total/NA	Water	PrecSep_0	
160-57891-16	25040660-016	Total/NA	Water	PrecSep_0	
160-57891-17	25040660-017	Total/NA	Water	PrecSep_0	
MB 160-715216/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-715216/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57891-2 DU	25040660-002	Total/NA	Water	PrecSep_0	

Client: Teklab, Inc.
Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

			Percent Yield (Acceptance Limits)					
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
160-57891-1	25040660-001	56.3						
160-57891-2	25040660-002	88.5						
160-57891-2 DU	25040660-002	88.7						
160-57891-3	25040660-003	89.0						
160-57891-4	25040660-004	91.0						
160-57891-5	25040660-005	65.2						
160-57891-6	25040660-006	52.4						
160-57891-7	25040660-007	93.9						
160-57891-8	25040660-008	82.1						
160-57891-9	25040660-009	85.7						
160-57891-10	25040660-010	55.8						
160-57891-11	25040660-011	85.4						
160-57891-12	25040660-012	89.5						
160-57891-13	25040660-013	83.1						
160-57891-14	25040660-014	83.4						
160-57891-15	25040660-015	73.7						
160-57891-16	25040660-016	87.0						
160-57891-17	25040660-017	85.2						
LCS 160-715214/2-A	Lab Control Sample	82.1						
MB 160-715214/1-A	Method Blank	81.6						
Tracer/Carrier Legend								
Ba = Ba Carrier								

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

			Percent Yield (Acceptance Limits)					
		Ba	Y					
Lab Sample ID	Client Sample ID	(30-110)	(30-110)					
160-57891-1	25040660-001	56.3	85.2					
160-57891-2	25040660-002	88.5	87.9					
160-57891-2 DU	25040660-002	88.7	83.0					
160-57891-3	25040660-003	89.0	85.2					
160-57891-4	25040660-004	91.0	86.0					
160-57891-5	25040660-005	65.2	86.7					
160-57891-6	25040660-006	52.4	84.9					
160-57891-7	25040660-007	93.9	86.4					
160-57891-8	25040660-008	82.1	85.2					
160-57891-9	25040660-009	85.7	83.7					
160-57891-10	25040660-010	55.8	86.7					
160-57891-11	25040660-011	85.4	87.1					
160-57891-12	25040660-012	89.5	87.1					
160-57891-13	25040660-013	83.1	87.5					
160-57891-14	25040660-014	83.4	83.7					
160-57891-15	25040660-015	73.7	81.5					
160-57891-16	25040660-016	87.0	88.2					
160-57891-17	25040660-017	85.2	85.6					
LCS 160-715216/2-A	Lab Control Sample	82.1	84.1					
MB 160-715216/1-A	Method Blank	81.6	86.4					

Tracer/Carrier Summary

Client: Teklab, Inc.

Project/Site: Radium-226 and Radium-228

Job ID: 160-57891-1
SDG: 25040660

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G01D
Sample ID: 001
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 11:59 Static Water Level: 35.70 feet below TOC
Total Depth: 67.10 feet below TOC
Water Column: 31.40 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $31.4 \text{ ft.} \times 0.022 = 0.69 \text{ L} \times 3 \text{ Vol.} = 2.07 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: brown/orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:02	0.0	217	purge start time						
12:07	1.1	↓	6.57	524.90	16.36	2.14	69.70	122.44	
12:10	1.7		6.54	520.20	16.34	0.97	63.00	138.02	
12:13	2.4		6.53	520.10	16.38	0.76	58.30	203.71	
12:16	3.0		6.52	520.80	16.39	0.66	54.80	160.63	
12:19	3.7		6.52	522.20	16.43	0.66	52.30	110.66	
12:22	4.3		6.50	525.70	16.41	0.74	50.60	76.48	
12:25	5.0		6.50	525.40	16.36	0.75	49.40	86.03	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 12:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.50 pH 525.40 Spec. Cond. 16.36 Temp
Field Filtered: No Filter Type:
Water Level: 36.14 feet below TOC Drawdown: 0.44 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: 

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G02D
Sample ID: 002
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 69 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 12:49 Static Water Level: 36.25 feet below TOC
Total Depth: 75.20 feet below TOC
Water Column: 38.95 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 38.95 ft. x 0.022 = 0.86 L x 3 Vol. = 2.58 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:51	0.0	208	purge start time						
12:54	0.6	↓	6.66	425.00	15.76	3.99	57.10	3.28	
12:57	1.2		6.44	425.50	15.67	2.59	58.90	4.17	
13:00	1.9		6.41	424.80	15.60	2.85	60.60	19.91	
13:03	2.5		6.38	424.90	15.63	3.11	62.60	50.07	
13:06	3.1		6.36	424.30	15.62	3.05	64.40	44.61	
13:09	3.8		6.34	425.00	15.65	3.25	66.50	2.27	
13:12	4.4		6.31	423.30	15.71	3.43	68.70	1.95	
13:15	5.0		6.29	421.50	15.66	3.56	70.80	1.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 13:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.29 pH 421.50 Spec. Cond. 15.66 Temp
Field Filtered: No Filter Type: _____
Water Level: 36.31 feet below TOC Drawdown: 0.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: _____

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G03
Sample ID: 003
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 13:48

Static Water Level: 31.50 feet below TOC
Total Depth: 68.03 feet below TOC
Water Column: 36.53 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $36.53 \text{ ft.} \times 0.022 = 0.8 \text{ L} \times 3 \text{ Vol.} = 2.4 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: It brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:49	0.0	208	purge start time						
13:58	1.9	↓	6.32	577.20	17.58	2.49	89.40	102.65	
14:01	2.5		6.31	584.90	17.79	2.24	89.00	48.83	
14:04	3.1		6.30	590.40	18.01	2.02	88.60	54.20	
14:07	3.8		6.29	592.90	18.19	1.88	88.10	55.79	
14:10	4.4		6.28	595.50	18.27	1.79	87.60	48.68	
14:13	5.0		6.28	599.10	18.38	1.74	87.40	46.07	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 14:13
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.28 pH 599.10 Spec. Cond. 18.38 Temp
Field Filtered: No Filter Type:
Water Level: 31.51 feet below TOC Drawdown: 0.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G05
Sample ID: 004
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 71 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 15:13 Static Water Level: 35.04 feet below TOC
Total Depth: 62.92 feet below TOC
Water Column: 27.88 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $27.88 \text{ ft.} \times 0.022 = 0.61 \text{ L} \times 3 \text{ Vol.} = 1.83 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
15:15	0.0	235	purge start time						
15:20	1.2	↓	6.54	628.00	17.95	2.06	106.40	22.20	
15:23	1.9		6.48	629.60	18.36	1.50	105.60	21.98	
15:26	2.6		6.46	628.80	18.30	1.23	104.60	22.98	
15:29	3.3		6.45	628.20	18.21	1.03	103.50	29.73	
15:32	4.0		6.44	628.10	18.12	0.91	102.40	35.71	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 15:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 628.10 Spec. Cond. 18.12 Temp
Field Filtered: No Filter Type:
Water Level: 36.90 feet below TOC Drawdown: 1.86 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date:

4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G06
Sample ID: 005
Date (s): 4/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 14:38

Static Water Level: 28.97 feet below TOC
Total Depth: 62.76 feet below TOC
Water Column: 33.79 feet

Purging Activities

Purged By: BG Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $33.79 \text{ ft.} \times 0.022 = 0.74 \text{ L} \times 3 \text{ Vol.} = 2.22 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:38	0.0	200	purge start time						
14:48	2.0	↓	6.54	717.20	18.62	3.69	68.80	397.98	
14:51	2.6		6.51	710.50	18.88	3.20	68.40	675.61	
14:54	3.2		6.50	707.50	19.04	2.86	67.80	747.95	
14:57	3.8		6.49	708.50	18.21	2.41	67.60	756.79	
15:00	4.4		6.49	685.60	17.17	1.96	67.10	591.27	
15:03	5.0		6.47	673.20	17.08	1.65	66.80	479.29	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/21/2025 15:03
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.47 pH 673.20 Spec. Cond. 17.08 Temp
Field Filtered: No Filter Type:
Water Level: 29.22 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432
-

Form Completed By:

Brett Gillihan

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G07
Sample ID: 006
Date (s): 4/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 71 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 15:12 Static Water Level: 27.53 feet below TOC
Total Depth: 87.64 feet below TOC
Water Column: 60.11 feet

Purging Activities

Purged By: BG Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 60.11 ft. x 0.022 = 1.32 L x 3 Vol. = 3.96 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Rust

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
15:12	0.0	217	purge start time						
15:23	2.4	↓	6.33	881.90	16.90	2.04	74.90	168.77	
15:26	3.0		6.33	883.10	16.95	1.47	75.70	208.55	
15:29	3.7		6.32	884.60	17.05	1.20	75.80	239.53	
15:32	4.3		6.32	885.90	16.93	1.03	75.80	260.40	
15:35	5.0		6.32	887.90	16.90	0.91	75.60	260.93	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/21/2025 15:35
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.32 pH 887.90 Spec. Cond. 16.90 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 27.42 feet below TOC Drawdown: -0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G08
Sample ID: 007
Date (s): 4/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 13:46 Static Water Level: 17.23 feet below TOC
Total Depth: 86.82 feet below TOC
Water Column: 69.59 feet

Purging Activities

Purged By: BG Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $69.59 \text{ ft.} \times 0.022 = 1.53 \text{ L} \times 3 \text{ Vol.} = 4.59 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Rust

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:46	0.0	207	purge start time						
14:03	3.5	↓	6.75	799.50	16.80	0.88	51.60	101.46	
14:06	4.1		6.74	801.30	16.93	0.79	50.90	77.72	
14:09	4.8		6.74	804.30	16.95	0.72	50.30	63.64	
14:12	5.4		6.75	805.50	16.92	0.68	49.70	57.39	
14:15	6.0		6.74	807.10	16.99	0.66	49.40	49.66	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/21/2025 14:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 807.10 Spec. Cond. 16.99 Temp
Field Filtered: No Filter Type:
Water Level: 17.03 feet below TOC Drawdown: -0.20 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G09
Sample ID: 008
Date (s): 4/22/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 66 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 9:56 Static Water Level: 25.65 feet below TOC
Total Depth: 72.51 feet below TOC
Water Column: 46.86 feet

Purging Activities

Purged By: BG Purge Date: 4/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $46.86 \text{ ft.} \times 0.022 = 1.03 \text{ L} \times 3 \text{ Vol.} = 3.09 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Itbrown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:56	0.0	200	purge start time						
10:09	2.6	↓	6.12	655.10	17.96	2.08	57.20	40.71	
10:12	3.2		6.02	661.10	18.02	1.61	53.10	42.98	
10:15	3.8		5.98	663.40	18.12	1.38	50.90	40.13	
10:18	4.4		5.96	664.10	18.21	1.22	49.70	38.32	
10:21	5.0		5.95	664.40	17.69	1.07	49.10	40.81	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/22/2025 10:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 5.95 pH 664.40 Spec. Cond. 17.69 Temp
Field Filtered: No Filter Type:
Water Level: 25.83 feet below TOC Drawdown: 0.18 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G10
Sample ID: 009
Date (s): 4/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 69 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 12:55 Static Water Level: 26.25 feet below TOC
Total Depth: 73.04 feet below TOC
Water Column: 46.79 feet

Purging Activities

Purged By: BG Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $46.79 \text{ ft.} \times 0.022 = 1.03 \text{ L} \times 3 \text{ Vol.} = 3.09 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Rust

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:55	0.0	129	purge start time						
13:14	2.5	↓	6.16	856.60	17.36	2.64	69.20	503.45	
13:17	2.8		6.16	850.00	17.39	2.04	68.50	3465.32	
13:20	3.2		6.16	847.80	17.32	1.73	68.10	508.84	
13:23	3.6		6.16	848.30	17.46	1.54	67.80	2979.15	
13:26	4.0		6.16	852.20	17.25	1.39	67.80	490.33	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/21/2025 13:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.16 pH 852.20 Spec. Cond. 17.25 Temp
Field Filtered: No Filter Type:
Water Level: 26.77 feet below TOC Drawdown: 0.52 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G11
Sample ID: 010
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp
Name: _____

Affiliation: TekLab, Inc.
Affiliation: _____

Weather Conditions

Temp: 71 °F

Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 14:31

Static Water Level: 38.16 feet below TOC
Total Depth: 68.90 feet below TOC
Water Column: 30.74 feet

Purging Activities

Purged By: JC

Purge Date: 4/21/2025

Purge Method: Bladder Pump

Well Diameter: 2"

Purge Volume Calculation (L): $30.74 \text{ ft.} \times 0.022 = 0.68 \text{ L} \times 3 \text{ Vol.} = 2.04 \text{ L}$

**Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Cloudy

Odor: None

Color: brown/orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:31	0.0	250	purge start time						
14:38	1.8	↓	6.00	971.30	18.08	2.29	99.90	25.55	
14:41	2.5		5.96	993.70	18.04	1.74	100.50	41.70	
14:44	3.3		5.94	1,004.20	17.98	1.35	100.40	50.23	
14:47	4.0		5.93	1,005.50	17.93	1.23	100.10	60.60	

Sampling Activities

Sampled By: JC

Sample Date/Time: 4/21/2025 14:47

Sample Method: Low Flow

Sample Equipment: Bladder Pump

Sample Parameters: 5.93 pH 1,005.50 Spec. Cond.

17.93 Temp

Field Filtered: No Filter Type: _____

Water Level: 38.25 feet below TOC

Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: _____

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G51D
Sample ID: 011
Date (s): 4/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 68 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 12:07 Static Water Level: 35.64 feet below TOC
Total Depth: 62.70 feet below TOC
Water Column: 27.06 feet

Purging Activities

Purged By: BG Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 27.06 ft. x 0.022 = 0.6 L x 3 Vol. = 1.8 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:07	0.0	174	purge start time						
12:18	1.9	↓	5.37	371.80	17.99	2.34	37.80	32.00	
12:21	2.4		5.35	371.70	17.99	2.12	36.50	35.68	
12:24	3.0		5.34	371.60	17.87	2.00	35.50	33.77	
12:27	3.5		5.34	371.20	17.86	1.92	34.70	36.34	
12:30	4.0		5.34	371.20	17.69	1.86	34.80	42.44	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/21/2025 12:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 5.34 pH 371.20 Spec. Cond. 17.69 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 35.85 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G52D
Sample ID: 012
Date (s): 4/22/2025

Field Team Members

Name: Justin Colp
Name:

Affiliation: TekLab, Inc.
Affiliation:

Weather Conditions

Temp: 66 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks
Protective Casing
Well

Yes	No
X	
	X

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 10:28

Static Water Level: 23.10 feet below TOC
Total Depth: 82.50 feet below TOC
Water Column: 59.40 feet

Purging Activities

Purged By: JC

Purge Date: 4/22/2025

Purge Method: Bladder Pump

Well Diameter: 2"

Purge Volume Calculation (L): $59.4 \text{ ft.} \times 0.022 = 1.31 \text{ L} \times 3 \text{ Vol.} = 3.93 \text{ L}$

**Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear

Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:29	0.0	231	purge start time						
10:33	0.9	↓	6.44	459.50	15.62	0.84	83.40	2.36	
10:36	1.6		6.29	460.30	15.57	0.48	81.80	2.47	
10:39	2.3		6.28	458.90	15.57	0.39	75.20	2.77	
10:42	3.0		6.31	459.00	15.56	0.34	64.30	4.95	

Sampling Activities

Sampled By: JC

Sample Date/Time: 4/22/2025 10:42

Sample Method: Low Flow

Sample Equipment: Bladder Pump

Sample Parameters: 6.31 pH 459.00

Spec. Cond. 15.56 Temp

Field Filtered: No Filter Type:

Water Level: 27.25 feet below TOC

Drawdown: 4.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G53D
Sample ID: 013
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 71 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 15:46 Static Water Level: 28.87 feet below TOC
Total Depth: 60.60 feet below TOC
Water Column: 31.73 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $31.73 \text{ ft.} \times 0.022 = 0.7 \text{ L} \times 3 \text{ Vol.} = 2.1 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
15:47	0.0	278	purge start time						
15:50	0.8	↓	6.65	518.00	16.65	1.81	105.10	5.52	
15:53	1.7		6.48	522.60	16.62	0.58	105.90	5.57	
15:56	2.5		6.44	523.60	16.56	0.42	105.50	3.99	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 15:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 523.60 Spec. Cond. 16.56 Temp
Field Filtered: No Filter Type:
Water Level: 29.08 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G54D
Sample ID: 014
Date (s): 4/22/2025

Field Team Members

Name: Justin Colp
Name:

Affiliation: TekLab, Inc.
Affiliation:

Weather Conditions

Temp: 64 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks
Protective Casing
Well

Yes	No
X	
	X

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 9:51

Static Water Level: 29.64 feet below TOC
Total Depth: 83.50 feet below TOC
Water Column: 53.86 feet

Purging Activities

Purged By: JC

Purge Date: 4/22/2025

Purge Method: Bladder Pump

Well Diameter: 2"

Purge Volume Calculation (L): $53.86 \text{ ft.} \times 0.022 = 1.18 \text{ L} \times 3 \text{ Vol.} = 3.54 \text{ L}$

**Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.50 L

Physical appearance of purge water: Slightly cloudy

Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:52	0.0	208	purge start time						
9:55	0.6	↓	6.37	565.30	15.81	2.16	121.50	19.39	
9:58	1.3		6.27	563.80	15.69	1.24	113.50	55.32	
10:01	1.9		6.25	563.60	15.65	1.09	109.00	52.66	
10:04	2.5		6.25	562.80	15.68	1.06	105.70	58.23	

Sampling Activities

Sampled By: JC

Sample Date/Time: 4/22/2025 10:04

Sample Method: Low Flow

Sample Equipment: Bladder Pump

Sample Parameters: 6.25 pH 562.80

Spec. Cond. 15.68 Temp

Field Filtered: No Filter Type:

Water Level: 29.87 feet below TOC

Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: SG03
Sample ID: 015
Date (s): 4/21/2025

Field Team Members

Name: Payton Yoch Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 11:55

Static Water Level: 28.51 feet below TOC
Total Depth: N/A feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only

Form Completed By: 

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: XPW01
Sample ID: 016
Date (s): 4/22/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 10:28 Static Water Level: 13.55 feet below TOC
Total Depth: 56.31 feet below TOC
Water Column: 42.76 feet

Purging Activities

Purged By: TC Purge Date: 4/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $42.76 \text{ ft.} \times 0.022 = 0.94 \text{ L} \times 3 \text{ Vol.} = 2.82 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: Slight Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:29	0.0	240	purge start time						
10:42	3.1	↓	8.33	1,035.80	17.34	0.53	-147.50	13.43	
10:45	3.8		8.35	1,036.40	17.34	0.47	-155.90	19.09	
10:48	4.6		8.36	1,037.40	17.32	0.43	-161.90	23.58	
10:51	5.3		8.36	1,037.80	17.38	0.41	-166.10	8.76	
10:54	6.0		8.33	1,041.70	17.32	0.41	-167.20	20.83	

Sampling Activities

Sampled By: PY Sample Date/Time: 4/22/2025 10:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.33 pH 1,041.70 Spec. Cond. 17.32 Temp
Field Filtered: No Filter Type:
Water Level: 16.68 feet below TOC Drawdown: 3.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

Form Completed By:

Tracy Carroll

Date:

4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: XPW02
Sample ID: 017
Date (s): 4/22/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 9:51 Static Water Level: 3.11 feet below TOC
Total Depth: 32.52 feet below TOC
Water Column: 29.41 feet

Purging Activities

Purged By: TC Purge Date: 4/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $29.41 \text{ ft.} \times 0.022 = 0.65 \text{ L} \times 3 \text{ Vol.} = 1.95 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:53	0.0	409	purge start time						
10:03	4.1	↓	7.69	4,759.90	17.26	0.53	-191.00	22.12	
10:06	5.3		7.70	4,750.50	17.25	0.47	-198.70	29.52	
10:09	6.5		7.71	4,742.60	17.27	0.44	-202.60	49.57	
10:12	7.8		7.71	4,743.20	17.38	0.42	-205.40	7.15	
10:15	9.0		7.72	4,740.30	17.35	0.41	-206.20	8.18	

Sampling Activities

Sampled By: PY Sample Date/Time: 4/22/2025 10:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.72 pH 4,740.30 Spec. Cond. 17.35 Temp
Field Filtered: No Filter Type:
Water Level: 3.11 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

Form Completed By:

Tracy Carroll

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: XPW03
Sample ID: 018
Date (s): 4/22/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 68 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/22/2025 10:40 Static Water Level: 9.85 feet below TOC
Total Depth: 39.57 feet below TOC
Water Column: 29.72 feet

Purging Activities

Purged By: BG Purge Date: 4/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $29.72 \text{ ft.} \times 0.022 = 0.65 \text{ L} \times 3 \text{ Vol.} = 1.95 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:40	0.0	200	purge start time						
10:53	2.6	↓	10.72	630.30	18.28	1.52	54.20	2.24	
10:56	3.2		10.73	640.60	18.26	1.22	56.70	2.14	
10:59	3.8		10.74	645.20	18.34	1.03	57.00	1.80	
11:02	4.4		10.75	647.00	18.31	0.93	56.90	1.48	
11:05	5.0		10.76	647.90	17.90	0.88	56.80	1.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 4/22/2025 11:05
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 10.76 pH 647.90 Spec. Cond. 17.90 Temp
Field Filtered: No Filter Type:
Water Level: 10.33 feet below TOC Drawdown: 0.48 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 34432

Form Completed By:

Brett Gillihan

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: XSG01
Sample ID: 019
Date (s): 4/21/2025

Field Team Members

Name: Payton Yoch Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 13:04

Static Water Level: 4.56 feet below TOC
Total Depth: N/A feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only

Form Completed By: 

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: Field Blank
Sample ID: 020
Date (s):

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: TC Sample Date/Time: 4/22/2025 10:20
Sample Method: Direct Sample Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- QA/QC Samp 45280

Form Completed By: Tracy Carroll

Date: 4/22/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G02D Duplicate
Sample ID: 021
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 69 °F

Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 12:49

Static Water Level: 36.25 feet below TOC
Total Depth: 75.20 feet below TOC
Water Column: 38.95 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $38.95 \text{ ft.} \times 0.022 = 0.86 \text{ L} \times 3 \text{ Vol.} = 2.58 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:51	0.0	208	purge start time						
12:54	0.6	↓	6.66	425.00	15.76	3.99	57.10	3.28	
12:57	1.2		6.44	425.50	15.67	2.59	58.90	4.17	
13:00	1.9		6.41	424.80	15.60	2.85	60.60	19.91	
13:03	2.5		6.38	424.90	15.63	3.11	62.60	50.07	
13:06	3.1		6.36	424.30	15.62	3.05	64.40	44.61	
13:09	3.8		6.34	425.00	15.65	3.25	66.50	2.27	
13:12	4.4		6.31	423.30	15.71	3.43	68.70	1.95	
13:15	5.0		6.29	421.50	15.66	3.56	70.80	1.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 13:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.29 pH 421.50 Spec. Cond. 15.66 Temp
Field Filtered: No Filter Type:
Water Level: 36.31 feet below TOC Drawdown: 0.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: G53D Duplicate
Sample ID: 022
Date (s): 4/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 71 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 4/21/2025 15:46

Static Water Level: 28.87 feet below TOC
Total Depth: 60.60 feet below TOC
Water Column: 31.73 feet

Purging Activities

Purged By: JC Purge Date: 4/21/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $31.73 \text{ ft.} \times 0.022 = 0.7 \text{ L} \times 3 \text{ Vol.} = 2.1 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
15:47	0.0	278	purge start time						
15:50	0.8	↓	6.65	518.00	16.65	1.81	105.10	5.52	
15:53	1.7		6.48	522.60	16.62	0.58	105.90	5.57	
15:56	2.5		6.44	523.60	16.56	0.42	105.50	3.99	

Sampling Activities

Sampled By: JC Sample Date/Time: 4/21/2025 15:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 523.60 Spec. Cond. 16.56 Temp
Field Filtered: No Filter Type:
Water Level: 29.08 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By:

Justin Colp

Date: 4/21/2025



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: Equipment Blank 1
Sample ID: 023
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- No non-dedicated equipment used; no sample

Form Completed By: Date:



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: Equipment Blank 2
Sample ID: 024
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- No non-dedicated equipment used; no sample

Form Completed By: Date:



Field Data Sheet

Project Name: JOP-25Q2
Project Location: Joppa, IL
W.O. Number (s): 25040659

Monitoring Point: Equipment Blank 3
Sample ID: 025
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- No non-dedicated equipment used; no sample

Form Completed By: Date:



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2025
JOPPA POWER PLANT ASH POND
Site Sampling Event ID: 2502
JOP 845-401
LIMS Workorder: 25040659
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Joppa- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210756 Technician(s): justin colp Date: 4/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	4/21/25 11:24
7.0 Buffer	wc240913b	7.00	4/21/25 11:18
10.0 Buffer	wc240625a	10.00	4/21/25 11:28
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	4/21/25 11:39

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	4/21/25 11:39
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	4/21/25 11:52	23.6	7.02	1,414	0.03		
CCV-1-JC	CCV	4/21/25 16:04	24.1	7.05	1,426	0.05		

Comments:

Field Meter ID: Pine 210756 Technician(s): justin colp Date: 4/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	4/22/25 9:32
7.0 Buffer	wc240913b	7.00	4/22/25 9:27
10.0 Buffer	wc240625a	10.00	4/22/25 9:36
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	4/22/25 9:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.02	4/22/25 9:42
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	4/22/25 9:44	18.4	7.03	1,415	0.02		
CCV-2-JC	CCV	4/22/25 10:51	19.8	7.05	1,407	0.04		

Comments:

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 2, 2025
 JOPPA POWER PLANT - EAST ASH POND
 Site Sampling Event ID: 2502
 JOP 845-401
 LIMS Workorder: 25040659
 Technician(s): JC, TC, BG, PY

Field Calibration Log(s) Joppa- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45280 Technician(s): Payton Yoch Date: 4/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	4/22/25 9:37
7.0 Buffer	WC240913B	7.00	4/22/25 9:42
10.0 Buffer	WC240625A	10.00	4/22/25 9:39
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	4/22/25 9:43

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-PY	LCS	4/22/25 9:44	16.7	7.03	1,412	1.16		
CCV-1-PY	CCV	4/22/25 10:59	18	7.02	1,408	1.09		

Comments: _____

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2025
Site Sampling Event ID: 2502
JOP 845-401
LIMS Workorder: 25040659
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Joppa- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 34432 Technician(s): Brett Gillihan Date: 4/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	4/21/25 11:11
7.0 Buffer	WC240913C	7.00	4/21/25 11:03
10.0 Buffer	WC2406625A	10.00	4/21/25 11:14
LCS/CCV (7.0 Buffer)	WC240913B		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	4/21/25 11:18

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.3	4/21/25 11:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	4/21/25 11:22	17.1	7.02	1,412	0.3		
CCV-1-BG	CCV	4/21/25 16:00	21.3	7.02	1,413	0.3		

Comments:

Field Meter ID: Pine 34432 Technician(s): Brett Gillihan Date: 4/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	4/22/25 9:29
7.0 Buffer	WC240913C	7.00	4/22/25 9:25
10.0 Buffer	WC2406625A	10.00	4/22/25 9:33
LCS/CCV (7.0 Buffer)	WC240913B		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	4/22/25 9:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.4	4/22/25 9:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	4/22/25 9:41	11.7	6.99	1,412	0.4		
CCV-2-BG	CCV	4/22/25 11:16	13.4	7.00	1,412	0.4		

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

Pine Environmental Services, Inc.

Instrument ID 45280
Description YSI ProDSS Sonde - 10M Cable
Calibrated 3/24/2025 10:52:15AM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 18L101932
Location Illinois
Department

State Certified
Status Pass
Temp °C 1

Humidity % 67

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Plus / Minus

Range Acc % 0.0000
Reading Acc % 0.0000
Plus/Minus 0.20

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.47	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.58	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	4.41	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	112.43	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.458	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	229.4	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.0 / 100.0	%	100.0	%	96.5	99.1	-0.90%	Pass



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

Pine Environmental Services, Inc.

Instrument ID 45280

Description YSI ProDSS Sonde - 10M Cable

Calibrated 3/24/2025 10:52:15AM

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date/ Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
IL CON. 1.413	1413 Conductivity Standard 10/25	AquaPhoenix Scientific	code: 31986	4gj1343	1/9/2025	1/9/2026
IL NTU 124 TURB	IL NTU 124 TURB	YSI	607300	25b24019192	3/14/2025	2/14/2026
IL ORP.	IL ORP 240mV	Pine Environmental Services, Inc.	ORP 240mV	4gk1268		8/30/2025
IL PH 10.	IL PH 10	AquaPhoenix Scientific		4gj0207	3/4/2025	10/30/2026
IL PH 4	IL PH 4	Pine Environmental Services, Inc.		4gj1193	3/4/2025	9/4/2025
IL PH 7.	IL PH 7	AquaPhoenix Scientific	32025	4gl0066	3/4/2025	9/4/2026
IL, NTU 0 AUTO CAL	IL NTU 0 AUTO CAL	GFS	8483	24016212	3/24/2025	1/24/2026

Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Timothy Waychunas

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210756
Description YSI Pro DSS
Calibrated 3/27/2025 7:10:27PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103121
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.70	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.75	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.40	10.05	0.50%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.39	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.80	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.498	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	209.60	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210756
Description YSI Pro DSS
Calibrated 3/27/2025 7:10:27PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	96.90	99.80	-0.20%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date / Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GK0200	STL PH10 #4GK0200	Absolute Accuracy	PH 10	4GK0200		11/25/2026
STL PH4 L#4GJ1193	STL pH4 L#4GJ1193	AquaPhoenix Scientific	pH 4	4GJ1193		10/25/2026
STL PH7 L#4GK0202	STL PH7 L#4GK0202	AquaPhoenix Scientific	PH7	4GK0202		11/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 34432
Description YSI PRO DSS Sonde-10M
Calibrated 3/28/2025 11:05:17AM

Manufacturer YSI
Model Number 626910-10
Serial Number/ Lot Number 17L101163
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.35	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.38	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.24	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.19	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.83	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.463	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	229.2	240.0	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 34432
Description YSI PRO DSS Sonde-10M
Calibrated 3/28/2025 11:05:17AM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.0 / 100.0	%	100.0	%	91.7	99.6	-0.40%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date/Opened Date</u>	<u>Next Cal Date/Expiration Date</u>
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GK0200	STL PH10 #4GK0200	Absolute Accuracy	PH 10	4GK0200		11/25/2026
STL PH4 L#4GJ1193	STL pH4 L#4GJ1193	AquaPhoenix Scientific	pH 4	4GJ1193		10/25/2026
STL PH7 L#4GK0202	STL PH7 L#4GK0202	AquaPhoenix Scientific	PH7	4GK0202		11/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 2, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G03	UA	E009	Antimony, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G03	UA	E009	Arsenic, total	mg/L	03/05/21 - 04/21/25	19	37	CI around geomean	0.00123	0.00170
G03	UA	E009	Barium, total	mg/L	03/05/21 - 04/21/25	19	0	CB around linear reg	0.0378	0.254
G03	UA	E009	Beryllium, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G03	UA	E009	Boron, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	0.244	0.0531
G03	UA	E009	Cadmium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G03	UA	E009	Chloride, total	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	21.5	32.0
G03	UA	E009	Chromium, total	mg/L	03/05/21 - 04/21/25	19	5	CI around mean	0.00516	0.00390
G03	UA	E009	Cobalt, total	mg/L	03/05/21 - 04/21/25	19	21	CI around geomean	0.00182	0.00150
G03	UA	E009	Fluoride, total	mg/L	03/05/21 - 04/21/25	19	16	CI around median	0.2	0.250
G03	UA	E009	Lead, total	mg/L	03/05/21 - 04/21/25	19	32	CI around geomean	0.00136	0.00150
G03	UA	E009	Lithium, total	mg/L	03/05/21 - 04/21/25	19	63	CI around median	0.003	0.003
G03	UA	E009	Mercury, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G03	UA	E009	Molybdenum, total	mg/L	03/05/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G03	UA	E009	pH (field)	SU	03/05/21 - 04/21/25	19	0	CI around mean	6.2/6.4	6.0/6.8
G03	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 04/21/25	19	0	CI around mean	0.536	1.70
G03	UA	E009	Selenium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G03	UA	E009	Sulfate, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	72.5	39.0
G03	UA	E009	Thallium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G03	UA	E009	Total Dissolved Solids	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	294	334
G05	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G05	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.00170
G05	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.193	0.254
G05	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00110
G05	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.0206	0.0531
G05	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G05	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	18.2	32.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G05	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.0015	0.00390
G05	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.000882	0.00150
G05	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CB around linear reg	0.419	0.250
G05	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00150
G05	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	63	CI around median	0.003	0.003
G05	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G05	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00411	0.00150
G05	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.5	6.0/6.8
G05	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.562	1.70
G05	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	32	CB around linear reg	0.000381	0.00420
G05	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	85.6	39.0
G05	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.00200
G05	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	357	334
G06	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.001
G06	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00170
G06	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0309	0.254
G06	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G06	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	3.07	0.0531
G06	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	3.02	0.0531
G06	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G06	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	16.7	32.0
G06	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	16.2	32.0
G06	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	21	CI around geomean	0.00221	0.00390
G06	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00150
G06	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.26	0.250
G06	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around median	0.26	0.250
G06	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.00150

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G06	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.0037	0.003
G06	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G06	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G06	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	18	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	19	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	1.09	1.70
G06	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G06	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	163	39.0
G06	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	161	39.0
G06	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G06	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	493	334
G06	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	497	334
G07	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.001
G07	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.00170
G07	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0533	0.254
G07	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.001	0.00110
G07	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.34	0.0531
G07	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	4.3	0.0531
G07	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G07	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	19.3	32.0
G07	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	19	32.0
G07	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00329	0.00390
G07	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00189	0.00150
G07	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.4	0.250
G07	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	20	CB around T-S line	0.394	0.250
G07	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	53	CI around median	0.001	0.00150
G07	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.003	0.003

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G07	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G07	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.0015	0.00150
G07	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.871	1.70
G07	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G07	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	258	39.0
G07	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	257	39.0
G07	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G07	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	575	334
G07	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	575	334
G08	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G08	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.0062	0.00170
G08	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.0527	0.254
G08	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G08	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.4	0.0531
G08	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	4.45	0.0531
G08	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00100
G08	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	13.4	32.0
G08	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	13.4	32.0
G08	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around geomean	0.00205	0.00390
G08	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around geomean	0.00369	0.00150
G08	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around geomean	0.267	0.250
G08	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.268	0.250
G08	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.00150
G08	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.003	0.003
G08	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002

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G08	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	21	CI around median	0.0017	0.00150
G08	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.8/7.0	6.0/6.8
G08	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.8/7.0	6.0/6.8
G08	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.425	1.70
G08	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G08	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	298	39.0
G08	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	314	39.0
G08	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G08	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	626	334
G08	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	647	334
G09	UA	E009	Antimony, total	mg/L	03/04/21 - 04/22/25	19	90	CI around median	0.001	0.001
G09	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/22/25	19	10	CI around geomean	0.00235	0.00170
G09	UA	E009	Barium, total	mg/L	03/04/21 - 04/22/25	19	0	CI around mean	0.0392	0.254
G09	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/22/25	19	68	CI around median	0.001	0.00110
G09	UA	E009	Boron, total	mg/L	03/04/21 - 04/22/25	19	0	CI around median	3.2	0.0531
G09	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around median	3.19	0.0531
G09	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.001	0.00100
G09	UA	E009	Chloride, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	10.8	32.0
G09	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	10.7	32.0
G09	UA	E009	Chromium, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.00201	0.00390
G09	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	-0.00076	0.00150
G09	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.257	0.250
G09	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.258	0.250
G09	UA	E009	Lead, total	mg/L	03/04/21 - 04/22/25	19	58	CI around median	0.001	0.00150
G09	UA	E009	Lithium, total	mg/L	03/04/21 - 04/22/25	19	10	CI around median	0.0035	0.003
G09	UA	E009	Mercury, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.0002	0.0002
G09	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.0015	0.00150

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G09	UA	E009	pH (field)	SU	03/04/21 - 04/22/25	19	0	CI around median	6.0/6.3	6.0/6.8
G09	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.0/6.3	6.0/6.8
G09	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/22/25	19	0	CI around geomean	0.335	1.70
G09	UA	E009	Selenium, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.001	0.00420
G09	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	195	39.0
G09	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	195	39.0
G09	UA	E009	Thallium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.002	0.00200
G09	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	422	334
G09	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	425	334
G10	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G10	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	21	CB around T-S line	0.00409	0.00170
G10	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0385	0.254
G10	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.00110
G10	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.906	0.0531
G10	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	0.951	0.0531
G10	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G10	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	12.6	32.0
G10	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	12.4	32.0
G10	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00209	0.00390
G10	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.00424	0.00150
G10	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	5	CI around median	0.28	0.250
G10	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	5	CB around linear reg	0.487	0.250
G10	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.00150
G10	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	26	CB around T-S line	0.00441	0.003
G10	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G10	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	47	CI around median	0.0015	0.00150
G10	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.6	6.0/6.8

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G10	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around mean	6.4/6.6	6.0/6.8
G10	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	0.95	1.70
G10	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00420
G10	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	252	39.0
G10	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	255	39.0
G10	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G10	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	750	334
G10	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	750	334
G11	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.001
G11	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00170
G11	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0164	0.254
G11	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00110
G11	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.301	0.0531
G11	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G11	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	17.9	32.0
G11	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.0015	0.00390
G11	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00150
G11	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.18	0.250
G11	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	84	CI around median	0.001	0.00150
G11	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around median	0.0039	0.003
G11	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.0002	0.0002
G11	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G11	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	5.8/6.0	6.0/6.8
G11	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.296	1.70
G11	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.00223	0.00420
G11	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	2.28	39.0
G11	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.00200

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G11	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	219	334
G51D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.001
G51D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00170
G51D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.0187	0.254
G51D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00110
G51D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	0.707	0.0531
G51D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00100
G51D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	10	CB around T-S line	1.68	32.0
G51D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	62	CB around T-S line	0.0015	0.00390
G51D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	24	CB around T-S line	-0.00801	0.00150
G51D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	83	CB around T-S line	0.1	0.250
G51D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	97	CI around median	0.001	0.00150
G51D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00566	0.003
G51D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.0002	0.0002
G51D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	96	CB around T-S line	0.00145	0.00150
G51D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	5.1/5.4	6.0/6.8
G51D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around mean	0.473	1.70
G51D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00485	0.00420
G51D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	95.2	39.0
G51D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.00200
G51D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	309	334
G52D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.001
G52D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	28	7	CB around linear reg	-0.000471	0.00170
G52D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	28	0	CB around T-S line	0.155	0.254
G52D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.00110
G52D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	29	86	CI around median	0.025	0.0531
G52D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.00100

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G52D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	7.48	32.0
G52D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.0015	0.00390
G52D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	28	0	CI around mean	0.00307	0.00150
G52D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	29	10	CI around median	0.25	0.250
G52D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.001	0.00150
G52D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	28	50	CI around median	0.003	0.003
G52D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	23	96	Most recent sample	0.0002	0.0002
G52D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	24	83	CI around median	0.0015	0.00150
G52D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	29	0	CI around mean	6.3/6.4	6.0/6.8
G52D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	28	0	CI around mean	0.939	1.70
G52D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	28	96	CI around median	0.001	0.00420
G52D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	22.9	39.0
G52D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.002	0.00200
G52D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	273	334
G53D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.001
G53D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00170
G53D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.00342	0.254
G53D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00110
G53D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CI around median	0.341	0.0531
G53D	UA	E009R	Boron, total	mg/L	12/03/15 - 06/09/25	31	0	CI around median	0.341	0.0531
G53D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00100
G53D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	14.7	32.0
G53D	UA	E009R	Chloride, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	14.7	32.0
G53D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	83	CB around T-S line	0.0015	0.00390
G53D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	14	CI around geomean	0.00121	0.00150
G53D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	0.641	0.250
G53D	UA	E009R	Fluoride, total	mg/L	12/03/15 - 06/09/25	31	0	CI around mean	0.644	0.250

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G53D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00150
G53D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	66	CB around T-S line	0.00297	0.003
G53D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	96	CI around median	0.0002	0.0002
G53D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	92	CB around T-S line	0.0015	0.00150
G53D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E009R	pH (field)	SU	12/03/15 - 06/09/25	31	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around geomean	0.262	1.70
G53D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00420
G53D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	42	39.0
G53D	UA	E009R	Sulfate, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	41.4	39.0
G53D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.00200
G53D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	280	334
G53D	UA	E009R	Total Dissolved Solids	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	274	334
G54D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.001
G54D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	29	59	CB around T-S line	-0.000101	0.00170
G54D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	0.0547	0.254
G54D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.00110
G54D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	30	7	CI around mean	0.445	0.0531
G54D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.00100
G54D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	30	3	CB around T-S line	17	32.0
G54D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	29	69	CI around median	0.0015	0.00390
G54D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	29	7	CB around linear reg	0.00202	0.00150
G54D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	30	7	CB around T-S line	0.249	0.250
G54D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.00150
G54D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	29	21	CB around linear reg	0.00191	0.003
G54D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	24	96	CI around median	0.0002	0.0002
G54D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	25	88	CB around T-S line	0.00147	0.00150

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G54D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	30	0	CB around linear reg	6.4/6.7	6.0/6.8
G54D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	29	0	CI around geomean	0.526	1.70
G54D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.00420
G54D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	30	0	CI around median	149	39.0
G54D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.002	0.00200
G54D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	30	0	CI around median	482	334

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:
E009 = Quarter 2, 2025 sampling event
E009R = Quarter 2, 2025 resampling event

HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR¹ = Parameter not analyzed.
NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS³ = The location was not accessible; therefore, a sample was not collected.
NS⁴ = The location could not be found; therefore, a sample was not collected.
NS⁵ = The location was damaged; therefore, a sample was not collected.
NS⁶ = Sampling pump could not yield a sample.
NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS⁸ = A sample was not collected.
PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination