

Illinois Power Resources Generating, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

October 25, 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: Edwards Power Plant Ash Pond; IEPA ID # W1438050005-01

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Resources Generating, LLC is submitting groundwater monitoring data for the Quarter 3, 2025 sampling event at the Edwards Power Plant Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1438050005-01. 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 GWPSs.

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 Ash Pond was initiated on December 7, 2023, completed, and submitted to IEPA June 4, 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 Ash Pond. The selected remedy meets the performance standards of 35 I.A.C. § 845.670(d). A public meeting was held on April 30, 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 June 2, 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 3, 2025, Ash Pond, Edwards Power Plant, Bartonville, 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 Illinois Power Resources Generating, LLC's operating permit application for Edwards Power Plant Ash Pond, and subsequently revised on September 4, 2025. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Illinois Power Resources Generating, LLC has not identified any actual exceedances.

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

October 25, 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 August 26, 2025.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 3, 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 3, 2025 sampling event.

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)², and subsequently revised and submitted to IEPA³, constituent concentrations observed at compliance monitoring wells in Quarter 3, 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.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 3, 2025
Table 2	Evaluation of Compliance - Quarter 3, 2025

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 3, 2025
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 3, 2025
Attachment C	Comparison to Background - Quarter 3, 2025

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 Illinois Power Resources Generating, LLC's operating permit application for Edwards Power Plant Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Illinois Power Resources Generating, LLC has not identified any actual exceedances.

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

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2025. *Groundwater Monitoring Plan Revision 1. Ash Pond. Edwards Power Plant. Bartonville, Illinois.* September 4, 2025.

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AP05S	Background	E010	07/22/2025	Arsenic, total	0.00069 U	mg/L
AP05S	Background	E010	07/22/2025	Barium, total	1.00	mg/L
AP05S	Background	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E010	07/22/2025	Boron, total	0.340	mg/L
AP05S	Background	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E010	07/22/2025	Calcium, total	100	mg/L
AP05S	Background	E010	07/22/2025	Chloride, total	46.0	mg/L
AP05S	Background	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AP05S	Background	E010	07/22/2025	Cobalt, total	0.0013 J	mg/L
AP05S	Background	E010	07/22/2025	Dissolved Oxygen	0.920	mg/L
AP05S	Background	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AP05S	Background	E010	07/22/2025	Lead, total	0.00031 J	mg/L
AP05S	Background	E010	07/22/2025	Lithium, total	0.0320	mg/L
AP05S	Background	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AP05S	Background	E010	07/22/2025	Molybdenum, total	0.00480	mg/L
AP05S	Background	E010	07/22/2025	Oxidation Reduction Potential	-101	mV
AP05S	Background	E010	07/22/2025	pH (field)	6.9	SU
AP05S	Background	E010	07/22/2025	Radium 226 + Radium 228, total	2.08	pCi/L
AP05S	Background	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AP05S	Background	E010	07/22/2025	Specific Conductance @ 25C (field)	1,630	micromhos/cm
AP05S	Background	E010	07/22/2025	Sulfate, total	1 UJ	mg/L
AP05S	Background	E010	07/22/2025	Temperature	18.5	degrees C
AP05S	Background	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AP05S	Background	E010	07/22/2025	Total Dissolved Solids	860	mg/L
AP05S	Background	E010	07/22/2025	Turbidity, field	70.3	NTU
AW-08	Background	E010	07/25/2025	Antimony, total	0.00077 J	mg/L
AW-08	Background	E010	07/25/2025	Arsenic, total	0.0130	mg/L
AW-08	Background	E010	07/25/2025	Barium, total	0.390	mg/L
AW-08	Background	E010	07/25/2025	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E010	07/25/2025	Boron, total	0.150 J+	mg/L
AW-08	Background	E010	07/25/2025	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E010	07/25/2025	Calcium, total	140	mg/L
AW-08	Background	E010	07/25/2025	Chloride, total	16.0	mg/L
AW-08	Background	E010	07/25/2025	Chromium, total	0.00480	mg/L
AW-08	Background	E010	07/25/2025	Cobalt, total	0.0015 J	mg/L
AW-08	Background	E010	07/25/2025	Dissolved Oxygen	1.10	mg/L
AW-08	Background	E010	07/25/2025	Fluoride, total	0.262	mg/L
AW-08	Background	E010	07/25/2025	Lead, total	0.00140 J+	mg/L
AW-08	Background	E010	07/25/2025	Lithium, total	0.013 J	mg/L
AW-08	Background	E010	07/25/2025	Mercury, total	0.00014 U	mg/L
AW-08	Background	E010	07/25/2025	Molybdenum, total	0.00140	mg/L
AW-08	Background	E010	07/25/2025	Oxidation Reduction Potential	-110	mV
AW-08	Background	E010	07/25/2025	pH (field)	6.8	SU
AW-08	Background	E010	07/25/2025	Radium 226 + Radium 228, total	3.81	pCi/L
AW-08	Background	E010	07/25/2025	Selenium, total	0.00074 U	mg/L

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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E010	07/25/2025	Specific Conductance @ 25C (field)	1,360	micromhos/cm
AW-08	Background	E010	07/25/2025	Sulfate, total	1 UJ	mg/L
AW-08	Background	E010	07/25/2025	Temperature	20.6	degrees C
AW-08	Background	E010	07/25/2025	Thallium, total	0.00038 U	mg/L
AW-08	Background	E010	07/25/2025	Total Dissolved Solids	610	mg/L
AW-08	Background	E010	07/25/2025	Turbidity, field	244	NTU
AP07S	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E010	07/22/2025	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E010	07/22/2025	Barium, total	0.0710	mg/L
AP07S	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E010	07/22/2025	Boron, total	19.0	mg/L
AP07S	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E010	07/22/2025	Calcium, total	200	mg/L
AP07S	Compliance	E010	07/22/2025	Chloride, total	66.0	mg/L
AP07S	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E010	07/22/2025	Cobalt, total	0.0017 J	mg/L
AP07S	Compliance	E010	07/22/2025	Dissolved Oxygen	0.570	mg/L
AP07S	Compliance	E010	07/22/2025	Fluoride, total	0.218 J	mg/L
AP07S	Compliance	E010	07/22/2025	Lead, total	0.00029 J	mg/L
AP07S	Compliance	E010	07/22/2025	Lithium, total	0.0056 J	mg/L
AP07S	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AP07S	Compliance	E010	07/22/2025	Molybdenum, total	0.00089 J	mg/L
AP07S	Compliance	E010	07/22/2025	Oxidation Reduction Potential	31.0	mV
AP07S	Compliance	E010	07/22/2025	pH (field)	7.1	SU
AP07S	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	0	pCi/L
AP07S	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,480	micromhos/cm
AP07S	Compliance	E010	07/22/2025	Sulfate, total	500	mg/L
AP07S	Compliance	E010	07/22/2025	Temperature	17.8	degrees C
AP07S	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E010	07/22/2025	Total Dissolved Solids	1,200	mg/L
AP07S	Compliance	E010	07/22/2025	Turbidity, field	0	NTU
AW-01	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E010	07/22/2025	Arsenic, total	0.00770	mg/L
AW-01	Compliance	E010	07/22/2025	Barium, total	0.110	mg/L
AW-01	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E010	07/22/2025	Boron, total	0.0700 J+	mg/L
AW-01	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E010	07/22/2025	Calcium, total	180	mg/L
AW-01	Compliance	E010	07/22/2025	Chloride, total	7.50	mg/L
AW-01	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-01	Compliance	E010	07/22/2025	Cobalt, total	0.00340	mg/L
AW-01	Compliance	E010	07/22/2025	Dissolved Oxygen	0.570	mg/L
AW-01	Compliance	E010	07/22/2025	Fluoride, total	0.232 J	mg/L
AW-01	Compliance	E010	07/22/2025	Lead, total	0.00022 U	mg/L
AW-01	Compliance	E010	07/22/2025	Lithium, total	0.005 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AW-01	Compliance	E010	07/22/2025	Molybdenum, total	0.00340	mg/L
AW-01	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-68.0	mV
AW-01	Compliance	E010	07/22/2025	pH (field)	6.8	SU
AW-01	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-01	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,350	micromhos/cm
AW-01	Compliance	E010	07/22/2025	Sulfate, total	44.0	mg/L
AW-01	Compliance	E010	07/22/2025	Temperature	20.2	degrees C
AW-01	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E010	07/22/2025	Total Dissolved Solids	580	mg/L
AW-01	Compliance	E010	07/22/2025	Turbidity, field	107	NTU
AW-05	Compliance	E010	07/21/2025	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E010	07/21/2025	Arsenic, total	0.00200	mg/L
AW-05	Compliance	E010	07/21/2025	Barium, total	0.0730	mg/L
AW-05	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E010	07/21/2025	Boron, total	12.0	mg/L
AW-05	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E010	07/21/2025	Calcium, total	180	mg/L
AW-05	Compliance	E010	07/21/2025	Chloride, total	67.0	mg/L
AW-05	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-05	Compliance	E010	07/21/2025	Cobalt, total	0.001 J	mg/L
AW-05	Compliance	E010	07/21/2025	Dissolved Oxygen	1.10	mg/L
AW-05	Compliance	E010	07/21/2025	Fluoride, total	0.21 J	mg/L
AW-05	Compliance	E010	07/21/2025	Lead, total	0.00022 U	mg/L
AW-05	Compliance	E010	07/21/2025	Lithium, total	0.011 J	mg/L
AW-05	Compliance	E010	07/21/2025	Mercury, total	0.00018 J	mg/L
AW-05	Compliance	E010	07/21/2025	Molybdenum, total	0.00200 J	mg/L
AW-05	Compliance	E010	07/21/2025	Oxidation Reduction Potential	12.0	mV
AW-05	Compliance	E010	07/21/2025	pH (field)	7.0	SU
AW-05	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-05	Compliance	E010	07/21/2025	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	166	micromhos/cm
AW-05	Compliance	E010	07/21/2025	Sulfate, total	480	mg/L
AW-05	Compliance	E010	07/21/2025	Temperature	19.6	degrees C
AW-05	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E010	07/21/2025	Total Dissolved Solids	1,200	mg/L
AW-05	Compliance	E010	07/21/2025	Turbidity, field	82.2	NTU
AW-06	Compliance	E010	07/21/2025	Antimony, total	0.00061 J	mg/L
AW-06	Compliance	E010	07/21/2025	Arsenic, total	0.00200	mg/L
AW-06	Compliance	E010	07/21/2025	Barium, total	0.150	mg/L
AW-06	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E010	07/21/2025	Boron, total	0.0900 J+	mg/L
AW-06	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E010	07/21/2025	Calcium, total	110	mg/L
AW-06	Compliance	E010	07/21/2025	Chloride, total	36.0	mg/L

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845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-06	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-06	Compliance	E010	07/21/2025	Cobalt, total	0.00048 U	mg/L
AW-06	Compliance	E010	07/21/2025	Dissolved Oxygen	0.820	mg/L
AW-06	Compliance	E010	07/21/2025	Fluoride, total	0.366	mg/L
AW-06	Compliance	E010	07/21/2025	Lead, total	0.00023 J	mg/L
AW-06	Compliance	E010	07/21/2025	Lithium, total	0.012 J	mg/L
AW-06	Compliance	E010	07/21/2025	Mercury, total	0.00014 J	mg/L
AW-06	Compliance	E010	07/21/2025	Molybdenum, total	0.00540	mg/L
AW-06	Compliance	E010	07/21/2025	Oxidation Reduction Potential	-104	mV
AW-06	Compliance	E010	07/21/2025	pH (field)	7.1	SU
AW-06	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-06	Compliance	E010	07/21/2025	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	83.0	micromhos/cm
AW-06	Compliance	E010	07/21/2025	Sulfate, total	20.0	mg/L
AW-06	Compliance	E010	07/21/2025	Temperature	18.2	degrees C
AW-06	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E010	07/21/2025	Total Dissolved Solids	540	mg/L
AW-06	Compliance	E010	07/21/2025	Turbidity, field	103	NTU
AW-09	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E010	07/22/2025	Arsenic, total	0.0210	mg/L
AW-09	Compliance	E010	07/22/2025	Barium, total	0.400	mg/L
AW-09	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E010	07/22/2025	Boron, total	0.280	mg/L
AW-09	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E010	07/22/2025	Calcium, total	120	mg/L
AW-09	Compliance	E010	07/22/2025	Chloride, total	29.0	mg/L
AW-09	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-09	Compliance	E010	07/22/2025	Cobalt, total	0.00200	mg/L
AW-09	Compliance	E010	07/22/2025	Dissolved Oxygen	0.950	mg/L
AW-09	Compliance	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AW-09	Compliance	E010	07/22/2025	Lead, total	0.00024 J	mg/L
AW-09	Compliance	E010	07/22/2025	Lithium, total	0.016 J	mg/L
AW-09	Compliance	E010	07/22/2025	Mercury, total	0.00017 J	mg/L
AW-09	Compliance	E010	07/22/2025	Molybdenum, total	0.0160	mg/L
AW-09	Compliance	E010	07/22/2025	Oxidation Reduction Potential	143	mV
AW-09	Compliance	E010	07/22/2025	pH (field)	7.0	SU
AW-09	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-09	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,290	micromhos/cm
AW-09	Compliance	E010	07/22/2025	Sulfate, total	1 UJ	mg/L
AW-09	Compliance	E010	07/22/2025	Temperature	19.8	degrees C
AW-09	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E010	07/22/2025	Total Dissolved Solids	720	mg/L
AW-09	Compliance	E010	07/22/2025	Turbidity, field	52.2	NTU
AW-10	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E010	07/22/2025	Arsenic, total	0.0120	mg/L

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ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E010	07/22/2025	Barium, total	0.990	mg/L
AW-10	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E010	07/22/2025	Boron, total	0.440	mg/L
AW-10	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E010	07/22/2025	Calcium, total	140	mg/L
AW-10	Compliance	E010	07/22/2025	Chloride, total	85.0	mg/L
AW-10	Compliance	E010	07/22/2025	Chromium, total	0.0180	mg/L
AW-10	Compliance	E010	07/22/2025	Cobalt, total	0.0130	mg/L
AW-10	Compliance	E010	07/22/2025	Dissolved Oxygen	0.720	mg/L
AW-10	Compliance	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AW-10	Compliance	E010	07/22/2025	Lead, total	0.00980	mg/L
AW-10	Compliance	E010	07/22/2025	Lithium, total	0.0500	mg/L
AW-10	Compliance	E010	07/22/2025	Mercury, total	0.00016 J	mg/L
AW-10	Compliance	E010	07/22/2025	Molybdenum, total	0.00130	mg/L
AW-10	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-106	mV
AW-10	Compliance	E010	07/22/2025	pH (field)	6.9	SU
AW-10	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	4.66	pCi/L
AW-10	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	2,080	micromhos/cm
AW-10	Compliance	E010	07/22/2025	Sulfate, total	1 UJ	mg/L
AW-10	Compliance	E010	07/22/2025	Temperature	21.7	degrees C
AW-10	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E010	07/22/2025	Total Dissolved Solids	1,200	mg/L
AW-10	Compliance	E010	07/22/2025	Turbidity, field	439	NTU
AW-11	Compliance	E010	07/25/2025	Antimony, total	0.00094 J	mg/L
AW-11	Compliance	E010	07/25/2025	Arsenic, total	0.00910	mg/L
AW-11	Compliance	E010	07/25/2025	Barium, total	1.10	mg/L
AW-11	Compliance	E010	07/25/2025	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E010	07/25/2025	Boron, total	0.250	mg/L
AW-11	Compliance	E010	07/25/2025	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E010	07/25/2025	Calcium, total	150	mg/L
AW-11	Compliance	E010	07/25/2025	Chloride, total	34.0	mg/L
AW-11	Compliance	E010	07/25/2025	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E010	07/25/2025	Cobalt, total	0.0012 J	mg/L
AW-11	Compliance	E010	07/25/2025	Dissolved Oxygen	0.500	mg/L
AW-11	Compliance	E010	07/25/2025	Fluoride, total	0.2 U	mg/L
AW-11	Compliance	E010	07/25/2025	Lead, total	0.001 UJ	mg/L
AW-11	Compliance	E010	07/25/2025	Lithium, total	0.019 J	mg/L
AW-11	Compliance	E010	07/25/2025	Mercury, total	0.00014 U	mg/L
AW-11	Compliance	E010	07/25/2025	Molybdenum, total	0.00098 J	mg/L
AW-11	Compliance	E010	07/25/2025	Oxidation Reduction Potential	-119	mV
AW-11	Compliance	E010	07/25/2025	pH (field)	7.0	SU
AW-11	Compliance	E010	07/25/2025	Radium 226 + Radium 228, total	1.91	pCi/L
AW-11	Compliance	E010	07/25/2025	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E010	07/25/2025	Specific Conductance @ 25C (field)	1,720	micromhos/cm
AW-11	Compliance	E010	07/25/2025	Sulfate, total	1 UJ	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E010	07/25/2025	Temperature	18.1	degrees C
AW-11	Compliance	E010	07/25/2025	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E010	07/25/2025	Total Dissolved Solids	890	mg/L
AW-11	Compliance	E010	07/25/2025	Turbidity, field	135	NTU
AW-14	Compliance	E010	07/21/2025	Antimony, total	0.00043 U	mg/L
AW-14	Compliance	E010	07/21/2025	Arsenic, total	0.00150	mg/L
AW-14	Compliance	E010	07/21/2025	Barium, total	0.590	mg/L
AW-14	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E010	07/21/2025	Boron, total	0.120 J+	mg/L
AW-14	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E010	07/21/2025	Calcium, total	170	mg/L
AW-14	Compliance	E010	07/21/2025	Chloride, total	23.0	mg/L
AW-14	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E010	07/21/2025	Cobalt, total	0.0016 J	mg/L
AW-14	Compliance	E010	07/21/2025	Dissolved Oxygen	0.700	mg/L
AW-14	Compliance	E010	07/21/2025	Fluoride, total	0.2 U	mg/L
AW-14	Compliance	E010	07/21/2025	Lead, total	0.00023 J	mg/L
AW-14	Compliance	E010	07/21/2025	Lithium, total	0.016 J	mg/L
AW-14	Compliance	E010	07/21/2025	Mercury, total	0.00014 U	mg/L
AW-14	Compliance	E010	07/21/2025	Molybdenum, total	0.00110 J	mg/L
AW-14	Compliance	E010	07/21/2025	Oxidation Reduction Potential	-127	mV
AW-14	Compliance	E010	07/21/2025	pH (field)	6.9	SU
AW-14	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	4.16	pCi/L
AW-14	Compliance	E010	07/21/2025	Selenium, total	0.00074 U	mg/L
AW-14	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	1,780	micromhos/cm
AW-14	Compliance	E010	07/21/2025	Sulfate, total	4.60	mg/L
AW-14	Compliance	E010	07/21/2025	Temperature	18.1	degrees C
AW-14	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E010	07/21/2025	Total Dissolved Solids	980	mg/L
AW-14	Compliance	E010	07/21/2025	Turbidity, field	65.0	NTU
AW-15	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E010	07/22/2025	Arsenic, total	0.00180	mg/L
AW-15	Compliance	E010	07/22/2025	Barium, total	1.70	mg/L
AW-15	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E010	07/22/2025	Boron, total	0.370	mg/L
AW-15	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E010	07/22/2025	Calcium, total	130	mg/L
AW-15	Compliance	E010	07/22/2025	Chloride, total	36.0	mg/L
AW-15	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E010	07/22/2025	Cobalt, total	0.0015 J	mg/L
AW-15	Compliance	E010	07/22/2025	Dissolved Oxygen	0.500	mg/L
AW-15	Compliance	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AW-15	Compliance	E010	07/22/2025	Lead, total	0.00022 U	mg/L
AW-15	Compliance	E010	07/22/2025	Lithium, total	0.0310	mg/L
AW-15	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E010	07/22/2025	Molybdenum, total	0.00074 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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ASH POND
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-106	mV
AW-15	Compliance	E010	07/22/2025	pH (field)	6.8	SU
AW-15	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	6.85	pCi/L
AW-15	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,980	micromhos/cm
AW-15	Compliance	E010	07/22/2025	Sulfate, total	1 UJ	mg/L
AW-15	Compliance	E010	07/22/2025	Temperature	17.7	degrees C
AW-15	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E010	07/22/2025	Total Dissolved Solids	1,000	mg/L
AW-15	Compliance	E010	07/22/2025	Turbidity, field	12.5	NTU
AW-15S	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Barium, total	0.0730	mg/L
AW-15S	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Boron, total	5.80	mg/L
AW-15S	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Calcium, total	260	mg/L
AW-15S	Compliance	E010	07/22/2025	Chloride, total	28.0	mg/L
AW-15S	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Dissolved Oxygen	0.680	mg/L
AW-15S	Compliance	E010	07/22/2025	Fluoride, total	0.221 J	mg/L
AW-15S	Compliance	E010	07/22/2025	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Lithium, total	0.014 J	mg/L
AW-15S	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Molybdenum, total	0.00260	mg/L
AW-15S	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-4.00	mV
AW-15S	Compliance	E010	07/22/2025	pH (field)	6.9	SU
AW-15S	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-15S	Compliance	E010	07/22/2025	Selenium, total	0.00130	mg/L
AW-15S	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,800	micromhos/cm
AW-15S	Compliance	E010	07/22/2025	Sulfate, total	520	mg/L
AW-15S	Compliance	E010	07/22/2025	Temperature	17.7	degrees C
AW-15S	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E010	07/22/2025	Total Dissolved Solids	1,200	mg/L
AW-15S	Compliance	E010	07/22/2025	Turbidity, field	34.3	NTU
AW-16	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E010	07/22/2025	Arsenic, total	0.00078 J	mg/L
AW-16	Compliance	E010	07/22/2025	Barium, total	1.10	mg/L
AW-16	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E010	07/22/2025	Boron, total	0.410	mg/L
AW-16	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E010	07/22/2025	Calcium, total	140	mg/L
AW-16	Compliance	E010	07/22/2025	Chloride, total	49.0	mg/L
AW-16	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E010	07/22/2025	Cobalt, total	0.0014 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E010	07/22/2025	Dissolved Oxygen	0.110	mg/L
AW-16	Compliance	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AW-16	Compliance	E010	07/22/2025	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E010	07/22/2025	Lithium, total	0.0330	mg/L
AW-16	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AW-16	Compliance	E010	07/22/2025	Molybdenum, total	0.00076 J	mg/L
AW-16	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-120	mV
AW-16	Compliance	E010	07/22/2025	pH (field)	6.7	SU
AW-16	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	4.39	pCi/L
AW-16	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	2,050	micromhos/cm
AW-16	Compliance	E010	07/22/2025	Sulfate, total	1 UJ	mg/L
AW-16	Compliance	E010	07/22/2025	Temperature	18.1	degrees C
AW-16	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E010	07/22/2025	Total Dissolved Solids	1,100	mg/L
AW-16	Compliance	E010	07/22/2025	Turbidity, field	0	NTU
AW-17	Compliance	E010	07/22/2025	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E010	07/22/2025	Arsenic, total	0.00340	mg/L
AW-17	Compliance	E010	07/22/2025	Barium, total	0.950	mg/L
AW-17	Compliance	E010	07/22/2025	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E010	07/22/2025	Boron, total	0.390	mg/L
AW-17	Compliance	E010	07/22/2025	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E010	07/22/2025	Calcium, total	100	mg/L
AW-17	Compliance	E010	07/22/2025	Chloride, total	55.0	mg/L
AW-17	Compliance	E010	07/22/2025	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E010	07/22/2025	Cobalt, total	0.0017 J	mg/L
AW-17	Compliance	E010	07/22/2025	Dissolved Oxygen	0.0800	mg/L
AW-17	Compliance	E010	07/22/2025	Fluoride, total	0.2 U	mg/L
AW-17	Compliance	E010	07/22/2025	Lead, total	0.00022 U	mg/L
AW-17	Compliance	E010	07/22/2025	Lithium, total	0.0320	mg/L
AW-17	Compliance	E010	07/22/2025	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E010	07/22/2025	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E010	07/22/2025	Oxidation Reduction Potential	-145	mV
AW-17	Compliance	E010	07/22/2025	pH (field)	6.8	SU
AW-17	Compliance	E010	07/22/2025	Radium 226 + Radium 228, total	2.01	pCi/L
AW-17	Compliance	E010	07/22/2025	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E010	07/22/2025	Specific Conductance @ 25C (field)	1,650	micromhos/cm
AW-17	Compliance	E010	07/22/2025	Sulfate, total	0.13 U	mg/L
AW-17	Compliance	E010	07/22/2025	Temperature	18.9	degrees C
AW-17	Compliance	E010	07/22/2025	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E010	07/22/2025	Total Dissolved Solids	920	mg/L
AW-17	Compliance	E010	07/22/2025	Turbidity, field	10.3	NTU
AW-18	Compliance	E010	07/21/2025	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E010	07/21/2025	Arsenic, total	0.00500	mg/L
AW-18	Compliance	E010	07/21/2025	Barium, total	1.60	mg/L
AW-18	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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EDWARDS POWER PLANT
ASH POND
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-18	Compliance	E010	07/21/2025	Boron, total	0.240	mg/L
AW-18	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E010	07/21/2025	Calcium, total	130	mg/L
AW-18	Compliance	E010	07/21/2025	Chloride, total	110	mg/L
AW-18	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-18	Compliance	E010	07/21/2025	Cobalt, total	0.0011 J	mg/L
AW-18	Compliance	E010	07/21/2025	Dissolved Oxygen	0	mg/L
AW-18	Compliance	E010	07/21/2025	Fluoride, total	0.2 U	mg/L
AW-18	Compliance	E010	07/21/2025	Lead, total	0.00079 J	mg/L
AW-18	Compliance	E010	07/21/2025	Lithium, total	0.0280	mg/L
AW-18	Compliance	E010	07/21/2025	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E010	07/21/2025	Molybdenum, total	0.00220	mg/L
AW-18	Compliance	E010	07/21/2025	Oxidation Reduction Potential	-131	mV
AW-18	Compliance	E010	07/21/2025	pH (field)	6.8	SU
AW-18	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	3.84	pCi/L
AW-18	Compliance	E010	07/21/2025	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	1,620	micromhos/cm
AW-18	Compliance	E010	07/21/2025	Sulfate, total	1 UJ	mg/L
AW-18	Compliance	E010	07/21/2025	Temperature	24.3	degrees C
AW-18	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E010	07/21/2025	Total Dissolved Solids	980	mg/L
AW-18	Compliance	E010	07/21/2025	Turbidity, field	44.2	NTU
AW-19	Compliance	E010	07/21/2025	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E010	07/21/2025	Arsenic, total	0.0120	mg/L
AW-19	Compliance	E010	07/21/2025	Barium, total	0.180	mg/L
AW-19	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E010	07/21/2025	Boron, total	3.10	mg/L
AW-19	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E010	07/21/2025	Calcium, total	120	mg/L
AW-19	Compliance	E010	07/21/2025	Chloride, total	74.0	mg/L
AW-19	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-19	Compliance	E010	07/21/2025	Cobalt, total	0.00077 J	mg/L
AW-19	Compliance	E010	07/21/2025	Dissolved Oxygen	0	mg/L
AW-19	Compliance	E010	07/21/2025	Fluoride, total	0.268	mg/L
AW-19	Compliance	E010	07/21/2025	Lead, total	0.00034 J	mg/L
AW-19	Compliance	E010	07/21/2025	Lithium, total	0.011 J	mg/L
AW-19	Compliance	E010	07/21/2025	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E010	07/21/2025	Molybdenum, total	0.00380	mg/L
AW-19	Compliance	E010	07/21/2025	Oxidation Reduction Potential	24.0	mV
AW-19	Compliance	E010	07/21/2025	pH (field)	7.0	SU
AW-19	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-19	Compliance	E010	07/21/2025	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	1,240	micromhos/cm
AW-19	Compliance	E010	07/21/2025	Sulfate, total	53.0	mg/L
AW-19	Compliance	E010	07/21/2025	Temperature	25.3	degrees C
AW-19	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E010	07/21/2025	Total Dissolved Solids	650	mg/L
AW-19	Compliance	E010	07/21/2025	Turbidity, field	54.4	NTU
AW-21	Compliance	E010	07/21/2025	Antimony, total	0.0011 J	mg/L
AW-21	Compliance	E010	07/21/2025	Arsenic, total	0.00130	mg/L
AW-21	Compliance	E010	07/21/2025	Barium, total	0.0570	mg/L
AW-21	Compliance	E010	07/21/2025	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E010	07/21/2025	Boron, total	12.0	mg/L
AW-21	Compliance	E010	07/21/2025	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E010	07/21/2025	Calcium, total	120	mg/L
AW-21	Compliance	E010	07/21/2025	Chloride, total	80.0	mg/L
AW-21	Compliance	E010	07/21/2025	Chromium, total	0.0028 U	mg/L
AW-21	Compliance	E010	07/21/2025	Cobalt, total	0.00048 U	mg/L
AW-21	Compliance	E010	07/21/2025	Dissolved Oxygen	3.40	mg/L
AW-21	Compliance	E010	07/21/2025	Fluoride, total	0.291	mg/L
AW-21	Compliance	E010	07/21/2025	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E010	07/21/2025	Lithium, total	0.0052 J	mg/L
AW-21	Compliance	E010	07/21/2025	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E010	07/21/2025	Molybdenum, total	0.0150	mg/L
AW-21	Compliance	E010	07/21/2025	Oxidation Reduction Potential	242	mV
AW-21	Compliance	E010	07/21/2025	pH (field)	7.3	SU
AW-21	Compliance	E010	07/21/2025	Radium 226 + Radium 228, total	0	pCi/L
AW-21	Compliance	E010	07/21/2025	Selenium, total	0.00160	mg/L
AW-21	Compliance	E010	07/21/2025	Specific Conductance @ 25C (field)	1,040	micromhos/cm
AW-21	Compliance	E010	07/21/2025	Sulfate, total	250	mg/L
AW-21	Compliance	E010	07/21/2025	Temperature	18.5	degrees C
AW-21	Compliance	E010	07/21/2025	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E010	07/21/2025	Total Dissolved Solids	730	mg/L
AW-21	Compliance	E010	07/21/2025	Turbidity, field	26.3	NTU

Notes:
C = Celsius
cm = centimeter
Events:
E010 = Quarter 3, 2025 sampling 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 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AP07S	PMP	E010	Antimony, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AP07S	PMP	E010	Arsenic, total	mg/L	02/10/21 - 07/22/25	19	90	CI around median	0.001	0.0300	Background	No Exceedance
AP07S	PMP	E010	Barium, total	mg/L	02/10/21 - 07/22/25	19	0	CI around mean	0.0647	2.07	Background	No Exceedance
AP07S	PMP	E010	Beryllium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AP07S	PMP	E010	Boron, total	mg/L	02/10/21 - 07/22/25	19	0	CB around linear reg	9.78	2	Standard	Exceedance
AP07S	PMP	E010	Cadmium, total	mg/L	02/10/21 - 07/22/25	19	90	CI around median	0.001	0.005	Standard	No Exceedance
AP07S	PMP	E010	Chloride, total	mg/L	02/10/21 - 07/22/25	19	0	CB around linear reg	31.3	200	Standard	No Exceedance
AP07S	PMP	E010	Chromium, total	mg/L	02/10/21 - 07/22/25	19	79	CI around median	0.004	0.1	Standard	No Exceedance
AP07S	PMP	E010	Cobalt, total	mg/L	02/10/21 - 07/22/25	19	16	CI around geomean	0.00212	0.0280	Background	No Exceedance
AP07S	PMP	E010	Fluoride, total	mg/L	02/10/21 - 07/22/25	19	63	CI around median	0.25	4.0	Standard	No Exceedance
AP07S	PMP	E010	Lead, total	mg/L	02/10/21 - 07/22/25	19	74	CI around median	0.001	0.0330	Background	No Exceedance
AP07S	PMP	E010	Lithium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AP07S	PMP	E010	Mercury, total	mg/L	02/10/21 - 07/22/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AP07S	PMP	E010	Molybdenum, total	mg/L	02/10/21 - 07/22/25	19	58	CI around median	0.001	0.1	Standard	No Exceedance
AP07S	PMP	E010	pH (field)	SU	02/10/21 - 07/22/25	19	0	CB around linear reg	6.8/7.3	6.3/9.0	Background/Standard	No Exceedance
AP07S	PMP	E010	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 07/22/25	19	0	CI around mean	0.539	9.60	Background	No Exceedance
AP07S	PMP	E010	Selenium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AP07S	PMP	E010	Sulfate, total	mg/L	02/10/21 - 07/22/25	19	0	CI around median	180	400	Standard	No Exceedance
AP07S	PMP	E010	Thallium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AP07S	PMP	E010	Total Dissolved Solids	mg/L	02/10/21 - 07/22/25	19	0	CI around mean	860	1,200	Standard	No Exceedance
AW-01	PMP	E010	Antimony, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-01	PMP	E010	Arsenic, total	mg/L	11/18/22 - 07/22/25	14	0	CI around geomean	0.00399	0.0300	Background	No Exceedance
AW-01	PMP	E010	Barium, total	mg/L	11/18/22 - 07/22/25	14	0	CI around mean	0.0976	2.07	Background	No Exceedance
AW-01	PMP	E010	Beryllium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-01	PMP	E010	Boron, total	mg/L	11/18/22 - 07/22/25	14	0	CI around median	0.072	2	Standard	No Exceedance
AW-01	PMP	E010	Cadmium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-01	PMP	E010	Chloride, total	mg/L	11/18/22 - 07/22/25	14	0	CB around T-S line	-3.37	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-01	PMP	E010	Chromium, total	mg/L	11/18/22 - 07/22/25	14	86	CI around median	0.004	0.1	Standard	No Exceedance
AW-01	PMP	E010	Cobalt, total	mg/L	11/18/22 - 07/22/25	14	21	CI around mean	0.00259	0.0280	Background	No Exceedance
AW-01	PMP	E010	Fluoride, total	mg/L	11/18/22 - 07/22/25	14	64	CI around median	0.25	4.0	Standard	No Exceedance
AW-01	PMP	E010	Lead, total	mg/L	11/18/22 - 07/22/25	14	79	CI around median	0.001	0.0330	Background	No Exceedance
AW-01	PMP	E010	Lithium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-01	PMP	E010	Mercury, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-01	PMP	E010	Molybdenum, total	mg/L	11/18/22 - 07/22/25	14	0	CI around mean	0.00292	0.1	Standard	No Exceedance
AW-01	PMP	E010	pH (field)	SU	11/18/22 - 07/22/25	14	0	CI around mean	6.7/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-01	PMP	E010	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 07/22/25	14	0	CI around median	0.288	9.60	Background	No Exceedance
AW-01	PMP	E010	Selenium, total	mg/L	11/18/22 - 07/22/25	14	93	CI around median	0.001	0.05	Standard	No Exceedance
AW-01	PMP	E010	Sulfate, total	mg/L	11/18/22 - 07/22/25	14	0	CI around median	41	400	Standard	No Exceedance
AW-01	PMP	E010	Thallium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-01	PMP	E010	Total Dissolved Solids	mg/L	11/18/22 - 07/22/25	14	0	CB around linear reg	559	1,200	Standard	No Exceedance
AW-05	UA	E010	Antimony, total	mg/L	11/09/15 - 07/21/25	23	96	Most recent sample	0.003	0.006	Standard	No Exceedance
AW-05	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/21/25	23	0	CB around T-S line	-0.00606	0.0300	Background	No Exceedance
AW-05	UA	E010	Barium, total	mg/L	11/09/15 - 07/21/25	23	0	CB around linear reg	-0.0254	2.07	Background	No Exceedance
AW-05	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/21/25	22	91	CI around median	0.001	0.004	Standard	No Exceedance
AW-05	UA	E010	Boron, total	mg/L	11/09/15 - 07/21/25	24	0	CB around linear reg	6.15	2	Standard	Exceedance
AW-05	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/21/25	23	91	CI around median	0.001	0.005	Standard	No Exceedance
AW-05	UA	E010	Chloride, total	mg/L	11/09/15 - 07/21/25	24	0	CB around T-S line	-62.2	200	Standard	No Exceedance
AW-05	UA	E010	Chromium, total	mg/L	11/09/15 - 07/21/25	23	48	CB around T-S line	-0.00891	0.1	Standard	No Exceedance
AW-05	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/21/25	23	35	CB around T-S line	-0.00648	0.0280	Background	No Exceedance
AW-05	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/21/25	24	62	CI around median	0.25	4.0	Standard	No Exceedance
AW-05	UA	E010	Lead, total	mg/L	11/09/15 - 07/21/25	22	46	CI around median	0.001	0.0330	Background	No Exceedance
AW-05	UA	E010	Lithium, total	mg/L	11/09/15 - 07/21/25	23	48	CB around T-S line	0.00224	0.0710	Background	No Exceedance
AW-05	UA	E010	Mercury, total	mg/L	11/09/15 - 07/21/25	23	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-05	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/21/25	23	0	CB around linear reg	0.00133	0.1	Standard	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-05	UA	E010	pH (field)	SU	11/09/15 - 07/21/25	24	0	CI around median	7.0/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-05	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/21/25	23	0	CI around median	0.465	9.60	Background	No Exceedance
AW-05	UA	E010	Selenium, total	mg/L	11/09/15 - 07/21/25	23	65	CB around T-S line	0.000789	0.05	Standard	No Exceedance
AW-05	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/21/25	24	0	CB around T-S line	318	400	Standard	No Exceedance
AW-05	UA	E010	Thallium, total	mg/L	11/09/15 - 07/21/25	22	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-05	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/21/25	24	0	CI around geomean	1,060	1,200	Standard	No Exceedance
AW-06	UA	E010	Antimony, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-06	UA	E010	Arsenic, total	mg/L	11/10/15 - 07/21/25	29	0	CI around geomean	0.00305	0.0300	Background	No Exceedance
AW-06	UA	E010	Barium, total	mg/L	11/10/15 - 07/21/25	29	0	CB around T-S line	0.102	2.07	Background	No Exceedance
AW-06	UA	E010	Beryllium, total	mg/L	11/10/15 - 07/21/25	29	90	CI around median	0.001	0.004	Standard	No Exceedance
AW-06	UA	E010	Boron, total	mg/L	11/10/15 - 07/21/25	30	0	CB around T-S line	0.0348	2	Standard	No Exceedance
AW-06	UA	E010	Cadmium, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-06	UA	E010	Chloride, total	mg/L	11/10/15 - 07/21/25	30	0	CI around median	35	200	Standard	No Exceedance
AW-06	UA	E010	Chromium, total	mg/L	11/10/15 - 07/21/25	29	62	CB around T-S line	-0.00259	0.1	Standard	No Exceedance
AW-06	UA	E010	Cobalt, total	mg/L	11/10/15 - 07/21/25	29	66	CB around T-S line	-0.00118	0.0280	Background	No Exceedance
AW-06	UA	E010	Fluoride, total	mg/L	11/10/15 - 07/21/25	30	7	CI around mean	0.304	4.0	Standard	No Exceedance
AW-06	UA	E010	Lead, total	mg/L	11/10/15 - 07/21/25	29	48	CB around T-S line	-0.00272	0.0330	Background	No Exceedance
AW-06	UA	E010	Lithium, total	mg/L	11/10/15 - 07/21/25	29	59	CI around median	0.02	0.0710	Background	No Exceedance
AW-06	UA	E010	Mercury, total	mg/L	11/10/15 - 07/21/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-06	UA	E010	Molybdenum, total	mg/L	11/10/15 - 07/21/25	29	0	CI around mean	0.00499	0.1	Standard	No Exceedance
AW-06	UA	E010	pH (field)	SU	11/10/15 - 07/21/25	30	0	CI around median	7.1/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-06	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/21/25	29	0	CB around linear reg	-0.15	9.60	Background	No Exceedance
AW-06	UA	E010	Selenium, total	mg/L	11/10/15 - 07/21/25	29	79	CI around median	0.001	0.05	Standard	No Exceedance
AW-06	UA	E010	Sulfate, total	mg/L	11/10/15 - 07/21/25	30	0	CB around linear reg	16.7	400	Standard	No Exceedance
AW-06	UA	E010	Thallium, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-06	UA	E010	Total Dissolved Solids	mg/L	11/10/15 - 07/21/25	30	0	CI around mean	520	1,200	Standard	No Exceedance
AW-09	UA	E010	Antimony, total	mg/L	11/10/15 - 07/22/25	24	100	All ND - Last	0.003	0.006	Standard	No Exceedance

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EDWARDS POWER PLANT
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BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-09	UA	E010	Arsenic, total	mg/L	11/10/15 - 07/22/25	29	10	CI around mean	0.0137	0.0300	Background	No Exceedance
AW-09	UA	E010	Barium, total	mg/L	11/10/15 - 07/22/25	29	0	CI around geomean	0.314	2.07	Background	No Exceedance
AW-09	UA	E010	Beryllium, total	mg/L	11/10/15 - 07/22/25	29	86	CB around T-S line	0.001	0.004	Standard	No Exceedance
AW-09	UA	E010	Boron, total	mg/L	11/10/15 - 07/22/25	30	0	CB around linear reg	-0.0259	2	Standard	No Exceedance
AW-09	UA	E010	Cadmium, total	mg/L	11/10/15 - 07/22/25	24	92	CI around median	0.001	0.005	Standard	No Exceedance
AW-09	UA	E010	Chloride, total	mg/L	11/10/15 - 07/22/25	30	0	CI around median	27	200	Standard	No Exceedance
AW-09	UA	E010	Chromium, total	mg/L	11/10/15 - 07/22/25	29	66	CB around T-S line	-0.0289	0.1	Standard	No Exceedance
AW-09	UA	E010	Cobalt, total	mg/L	11/10/15 - 07/22/25	29	10	CB around T-S line	-0.0152	0.0280	Background	No Exceedance
AW-09	UA	E010	Fluoride, total	mg/L	11/10/15 - 07/22/25	30	70	CB around T-S line	0.204	4.0	Standard	No Exceedance
AW-09	UA	E010	Lead, total	mg/L	11/10/15 - 07/22/25	29	55	CB around T-S line	-0.0191	0.0330	Background	No Exceedance
AW-09	UA	E010	Lithium, total	mg/L	11/10/15 - 07/22/25	29	45	CB around T-S line	-0.0181	0.0710	Background	No Exceedance
AW-09	UA	E010	Mercury, total	mg/L	11/10/15 - 07/22/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-09	UA	E010	Molybdenum, total	mg/L	11/10/15 - 07/22/25	29	0	CI around median	0.014	0.1	Standard	No Exceedance
AW-09	UA	E010	pH (field)	SU	11/10/15 - 07/22/25	30	0	CI around median	6.9/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-09	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/22/25	29	0	CI around median	0.791	9.60	Background	No Exceedance
AW-09	UA	E010	Selenium, total	mg/L	11/10/15 - 07/22/25	29	72	CB around T-S line	0.0000366	0.05	Standard	No Exceedance
AW-09	UA	E010	Sulfate, total	mg/L	11/10/15 - 07/22/25	30	63	CB around T-S line	-19.6	400	Standard	No Exceedance
AW-09	UA	E010	Thallium, total	mg/L	11/10/15 - 07/22/25	24	96	CI around median	0.001	0.002	Standard	No Exceedance
AW-09	UA	E010	Total Dissolved Solids	mg/L	11/10/15 - 07/22/25	30	0	CB around T-S line	760	1,200	Standard	No Exceedance
AW-10	UA	E010	Antimony, total	mg/L	11/09/15 - 07/22/25	25	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-10	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/22/25	30	0	CI around median	0.0098	0.0300	Background	No Exceedance
AW-10	UA	E010	Barium, total	mg/L	11/09/15 - 07/22/25	30	0	CI around median	0.93	2.07	Background	No Exceedance
AW-10	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/22/25	30	80	CI around median	0.001	0.004	Standard	No Exceedance
AW-10	UA	E010	Boron, total	mg/L	11/09/15 - 07/22/25	31	0	CI around mean	0.462	2	Standard	No Exceedance
AW-10	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.001	0.005	Standard	No Exceedance
AW-10	UA	E010	Chloride, total	mg/L	11/09/15 - 07/22/25	31	0	CI around mean	87	200	Standard	No Exceedance
AW-10	UA	E010	Chromium, total	mg/L	11/09/15 - 07/22/25	30	30	CI around median	0.004	0.1	Standard	No Exceedance

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845 QUARTERLY REPORT
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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-10	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/22/25	30	3	CI around geomean	0.0045	0.0280	Background	No Exceedance
AW-10	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/22/25	31	97	CI around median	0.25	4.0	Standard	No Exceedance
AW-10	UA	E010	Lead, total	mg/L	11/09/15 - 07/22/25	30	10	CI around geomean	0.00259	0.0330	Background	No Exceedance
AW-10	UA	E010	Lithium, total	mg/L	11/09/15 - 07/22/25	30	0	CB around T-S line	0.000453	0.0710	Background	No Exceedance
AW-10	UA	E010	Mercury, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-10	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/22/25	30	20	CI around median	0.0012	0.1	Standard	No Exceedance
AW-10	UA	E010	pH (field)	SU	11/09/15 - 07/22/25	32	0	CI around median	7.0/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-10	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/22/25	30	0	CI around mean	2.46	9.60	Background	No Exceedance
AW-10	UA	E010	Selenium, total	mg/L	11/09/15 - 07/22/25	30	70	CB around T-S line	0.000454	0.05	Standard	No Exceedance
AW-10	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/22/25	31	84	CB around T-S line	1	400	Standard	No Exceedance
AW-10	UA	E010	Thallium, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.001	0.002	Standard	No Exceedance
AW-10	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/22/25	31	0	CI around median	1,100	1,200	Standard	No Exceedance
AW-11	UA	E010	Antimony, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-11	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/25/25	29	0	CB around T-S line	0.00556	0.0300	Background	No Exceedance
AW-11	UA	E010	Barium, total	mg/L	11/09/15 - 07/25/25	29	0	CI around median	0.85	2.07	Background	No Exceedance
AW-11	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/25/25	29	83	CI around median	0.001	0.004	Standard	No Exceedance
AW-11	UA	E010	Boron, total	mg/L	11/09/15 - 07/25/25	30	0	CI around mean	0.227	2	Standard	No Exceedance
AW-11	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/25/25	24	88	CI around median	0.001	0.005	Standard	No Exceedance
AW-11	UA	E010	Chloride, total	mg/L	11/09/15 - 07/25/25	30	0	CI around mean	31.9	200	Standard	No Exceedance
AW-11	UA	E010	Chromium, total	mg/L	11/09/15 - 07/25/25	29	62	CB around T-S line	-0.0158	0.1	Standard	No Exceedance
AW-11	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/25/25	29	41	CB around T-S line	-0.00341	0.0280	Background	No Exceedance
AW-11	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/25/25	30	90	CI around median	0.25	4.0	Standard	No Exceedance
AW-11	UA	E010	Lead, total	mg/L	11/09/15 - 07/25/25	29	48	CB around T-S line	-0.00597	0.0330	Background	No Exceedance
AW-11	UA	E010	Lithium, total	mg/L	11/09/15 - 07/25/25	29	21	CB around T-S line	-0.0102	0.0710	Background	No Exceedance
AW-11	UA	E010	Mercury, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-11	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/25/25	29	21	CB around linear reg	-0.00128	0.1	Standard	No Exceedance
AW-11	UA	E010	pH (field)	SU	11/09/15 - 07/25/25	30	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-11	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/25/25	29	0	CI around median	1.91	9.60	Background	No Exceedance
AW-11	UA	E010	Selenium, total	mg/L	11/09/15 - 07/25/25	29	76	CB around T-S line	0.000452	0.05	Standard	No Exceedance
AW-11	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/25/25	30	73	CB around T-S line	0.492	400	Standard	No Exceedance
AW-11	UA	E010	Thallium, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-11	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/25/25	30	0	CB around T-S line	942	1,200	Standard	No Exceedance
AW-14	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.003	0.006	Standard	No Exceedance
AW-14	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	18	0	CB around T-S line	-0.00187	0.0300	Background	No Exceedance
AW-14	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	18	0	CI around mean	0.624	2.07	Background	No Exceedance
AW-14	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-14	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	18	0	CI around median	0.18	2	Standard	No Exceedance
AW-14	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-14	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	18	0	CI around median	24	200	Standard	No Exceedance
AW-14	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.004	0.1	Standard	No Exceedance
AW-14	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	18	44	CB around T-S line	-0.00597	0.0280	Background	No Exceedance
AW-14	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	18	78	CI around median	0.25	4.0	Standard	No Exceedance
AW-14	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	18	78	CI around median	0.001	0.0330	Background	No Exceedance
AW-14	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	18	72	CB around T-S line	0.0139	0.0710	Background	No Exceedance
AW-14	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-14	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	18	39	CB around T-S line	-0.0384	0.1	Standard	No Exceedance
AW-14	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	18	0	CI around median	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-14	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	18	0	CI around mean	2.18	9.60	Background	No Exceedance
AW-14	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	18	89	CI around median	0.001	0.05	Standard	No Exceedance
AW-14	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	18	11	CI around geomean	1.93	400	Standard	No Exceedance
AW-14	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-14	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	18	0	CI around median	960	1,200	Standard	No Exceedance
AW-15	UA	E010	Antimony, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15	UA	E010	Arsenic, total	mg/L	02/12/21 - 07/22/25	16	6	CI around mean	0.00152	0.0300	Background	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15	UA	E010	Barium, total	mg/L	02/12/21 - 07/22/25	16	0	CI around mean	1.66	2.07	Background	No Exceedance
AW-15	UA	E010	Beryllium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-15	UA	E010	Boron, total	mg/L	02/12/21 - 07/22/25	16	0	CI around mean	0.355	2	Standard	No Exceedance
AW-15	UA	E010	Cadmium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15	UA	E010	Chloride, total	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	34.2	200	Standard	No Exceedance
AW-15	UA	E010	Chromium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-15	UA	E010	Cobalt, total	mg/L	02/12/21 - 07/22/25	16	94	CI around median	0.002	0.0280	Background	No Exceedance
AW-15	UA	E010	Fluoride, total	mg/L	02/12/21 - 07/22/25	16	88	CI around median	0.25	4.0	Standard	No Exceedance
AW-15	UA	E010	Lead, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-15	UA	E010	Lithium, total	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	0.0293	0.0710	Background	No Exceedance
AW-15	UA	E010	Mercury, total	mg/L	02/12/21 - 07/22/25	16	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-15	UA	E010	Molybdenum, total	mg/L	02/12/21 - 07/22/25	16	88	CI around median	0.001	0.1	Standard	No Exceedance
AW-15	UA	E010	pH (field)	SU	02/12/21 - 07/22/25	15	0	CI around median	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/22/25	16	0	CI around mean	4.02	9.60	Background	No Exceedance
AW-15	UA	E010	Selenium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-15	UA	E010	Sulfate, total	mg/L	02/12/21 - 07/22/25	16	94	Most recent sample	1	400	Standard	No Exceedance
AW-15	UA	E010	Thallium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15	UA	E010	Total Dissolved Solids	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	957	1,200	Standard	No Exceedance
AW-15S	PMP	E010	Antimony, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15S	PMP	E010	Arsenic, total	mg/L	02/12/21 - 07/22/25	19	74	CI around median	0.001	0.0300	Background	No Exceedance
AW-15S	PMP	E010	Barium, total	mg/L	02/12/21 - 07/22/25	19	0	CB around T-S line	0.0429	2.07	Background	No Exceedance
AW-15S	PMP	E010	Beryllium, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
AW-15S	PMP	E010	Boron, total	mg/L	02/12/21 - 07/22/25	19	0	CI around mean	5.66	2	Standard	Exceedance
AW-15S	PMP	E010	Cadmium, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15S	PMP	E010	Chloride, total	mg/L	02/12/21 - 07/22/25	19	0	CB around linear reg	22.1	200	Standard	No Exceedance
AW-15S	PMP	E010	Chromium, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.004	0.1	Standard	No Exceedance
AW-15S	PMP	E010	Cobalt, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.002	0.0280	Background	No Exceedance

TABLE 2.
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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15S	PMP	E010	Fluoride, total	mg/L	02/12/21 - 07/22/25	19	42	CI around median	0.25	4.0	Standard	No Exceedance
AW-15S	PMP	E010	Lead, total	mg/L	02/12/21 - 07/22/25	19	90	CI around median	0.001	0.0330	Background	No Exceedance
AW-15S	PMP	E010	Lithium, total	mg/L	02/12/21 - 07/22/25	19	90	CI around median	0.02	0.0710	Background	No Exceedance
AW-15S	PMP	E010	Mercury, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-15S	PMP	E010	Molybdenum, total	mg/L	02/12/21 - 07/22/25	19	0	CB around linear reg	0.00201	0.1	Standard	No Exceedance
AW-15S	PMP	E010	pH (field)	SU	02/12/21 - 07/22/25	19	0	CI around median	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15S	PMP	E010	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/22/25	18	0	CI around mean	0.478	9.60	Background	No Exceedance
AW-15S	PMP	E010	Selenium, total	mg/L	02/12/21 - 07/22/25	19	42	CI around median	0.001	0.05	Standard	No Exceedance
AW-15S	PMP	E010	Sulfate, total	mg/L	02/12/21 - 07/22/25	19	0	CI around mean	523	400	Standard	Exceedance
AW-15S	PMP	E010	Thallium, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15S	PMP	E010	Total Dissolved Solids	mg/L	02/12/21 - 07/22/25	19	0	CI around median	1,200	1,200	Standard	No Exceedance
AW-16	UA	E010	Antimony, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-16	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/22/25	19	21	CI around mean	0.00102	0.0300	Background	No Exceedance
AW-16	UA	E010	Barium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.965	2.07	Background	No Exceedance
AW-16	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-16	UA	E010	Boron, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.376	2	Standard	No Exceedance
AW-16	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-16	UA	E010	Chloride, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	42.7	200	Standard	No Exceedance
AW-16	UA	E010	Chromium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-16	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-16	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.25	4.0	Standard	No Exceedance
AW-16	UA	E010	Lead, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-16	UA	E010	Lithium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around T-S line	0.0188	0.0710	Background	No Exceedance
AW-16	UA	E010	Mercury, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-16	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.001	0.1	Standard	No Exceedance
AW-16	UA	E010	pH (field)	SU	02/11/21 - 07/22/25	19	0	CI around mean	6.6/6.8	6.3/9.0	Background/Standard	No Exceedance
AW-16	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/22/25	19	0	CB around linear reg	1.63	9.60	Background	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-16	UA	E010	Selenium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-16	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/22/25	19	90	CI around median	1	400	Standard	No Exceedance
AW-16	UA	E010	Thallium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-16	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/22/25	19	0	CI around median	1,100	1,200	Standard	No Exceedance
AW-17	UA	E010	Antimony, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-17	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.00232	0.0300	Background	No Exceedance
AW-17	UA	E010	Barium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.886	2.07	Background	No Exceedance
AW-17	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-17	UA	E010	Boron, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.373	2	Standard	No Exceedance
AW-17	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-17	UA	E010	Chloride, total	mg/L	02/11/21 - 07/22/25	19	0	CI around mean	51.8	200	Standard	No Exceedance
AW-17	UA	E010	Chromium, total	mg/L	02/11/21 - 07/22/25	19	79	CI around median	0.004	0.1	Standard	No Exceedance
AW-17	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/22/25	19	21	CB around linear reg	0.000419	0.0280	Background	No Exceedance
AW-17	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.25	4.0	Standard	No Exceedance
AW-17	UA	E010	Lead, total	mg/L	02/11/21 - 07/22/25	19	79	CI around median	0.001	0.0330	Background	No Exceedance
AW-17	UA	E010	Lithium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around T-S line	0.0013	0.0710	Background	No Exceedance
AW-17	UA	E010	Mercury, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-17	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/22/25	19	63	CB around T-S line	-0.000146	0.1	Standard	No Exceedance
AW-17	UA	E010	pH (field)	SU	02/11/21 - 07/22/25	19	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-17	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/22/25	19	0	CI around mean	2.41	9.60	Background	No Exceedance
AW-17	UA	E010	Selenium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-17	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	1	400	Standard	No Exceedance
AW-17	UA	E010	Thallium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-17	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/22/25	19	0	CI around mean	867	1,200	Standard	No Exceedance
AW-18	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-18	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	0	CI around geomean	0.00327	0.0300	Background	No Exceedance
AW-18	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	1.25	2.07	Background	No Exceedance

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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-18	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-18	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.674	2	Standard	No Exceedance
AW-18	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-18	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	86.6	200	Standard	No Exceedance
AW-18	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	90	CI around median	0.004	0.1	Standard	No Exceedance
AW-18	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	84	CI around median	0.002	0.0280	Background	No Exceedance
AW-18	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	68	CB around T-S line	-3.82	4.0	Standard	No Exceedance
AW-18	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	84	CI around median	0.001	0.0330	Background	No Exceedance
AW-18	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	-0.019	0.0710	Background	No Exceedance
AW-18	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-18	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	-0.00843	0.1	Standard	No Exceedance
AW-18	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-18	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	2.63	9.60	Background	No Exceedance
AW-18	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
AW-18	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	-5.04	400	Standard	No Exceedance
AW-18	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-18	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	825	1,200	Standard	No Exceedance
AW-19	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-19	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.0116	0.0300	Background	No Exceedance
AW-19	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	0.18	2.07	Background	No Exceedance
AW-19	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-19	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	2.92	2	Standard	Exceedance
AW-19	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-19	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	76.2	200	Standard	No Exceedance
AW-19	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	79	CI around median	0.004	0.1	Standard	No Exceedance
AW-19	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	79	CI around median	0.002	0.0280	Background	No Exceedance
AW-19	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	26	CB around linear reg	0.19	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-19	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	63	CB around T-S line	-0.00217	0.0330	Background	No Exceedance
AW-19	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	79	CB around T-S line	0.0138	0.0710	Background	No Exceedance
AW-19	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-19	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	0.0036	0.1	Standard	No Exceedance
AW-19	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around mean	6.8/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-19	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	0.55	9.60	Background	No Exceedance
AW-19	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-19	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	55.1	400	Standard	No Exceedance
AW-19	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-19	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	608	1,200	Standard	No Exceedance
AW-21	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-21	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	21	CI around geomean	0.0011	0.0300	Background	No Exceedance
AW-21	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	0.0446	2.07	Background	No Exceedance
AW-21	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-21	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	10.3	2	Standard	Exceedance
AW-21	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-21	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	82.7	200	Standard	No Exceedance
AW-21	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-21	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-21	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	0.144	4.0	Standard	No Exceedance
AW-21	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	95	CI around median	0.001	0.0330	Background	No Exceedance
AW-21	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-21	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-21	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.0174	0.1	Standard	No Exceedance
AW-21	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around median	7.2/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-21	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	0.503	9.60	Background	No Exceedance
AW-21	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	53	CB around T-S line	0.001	0.05	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

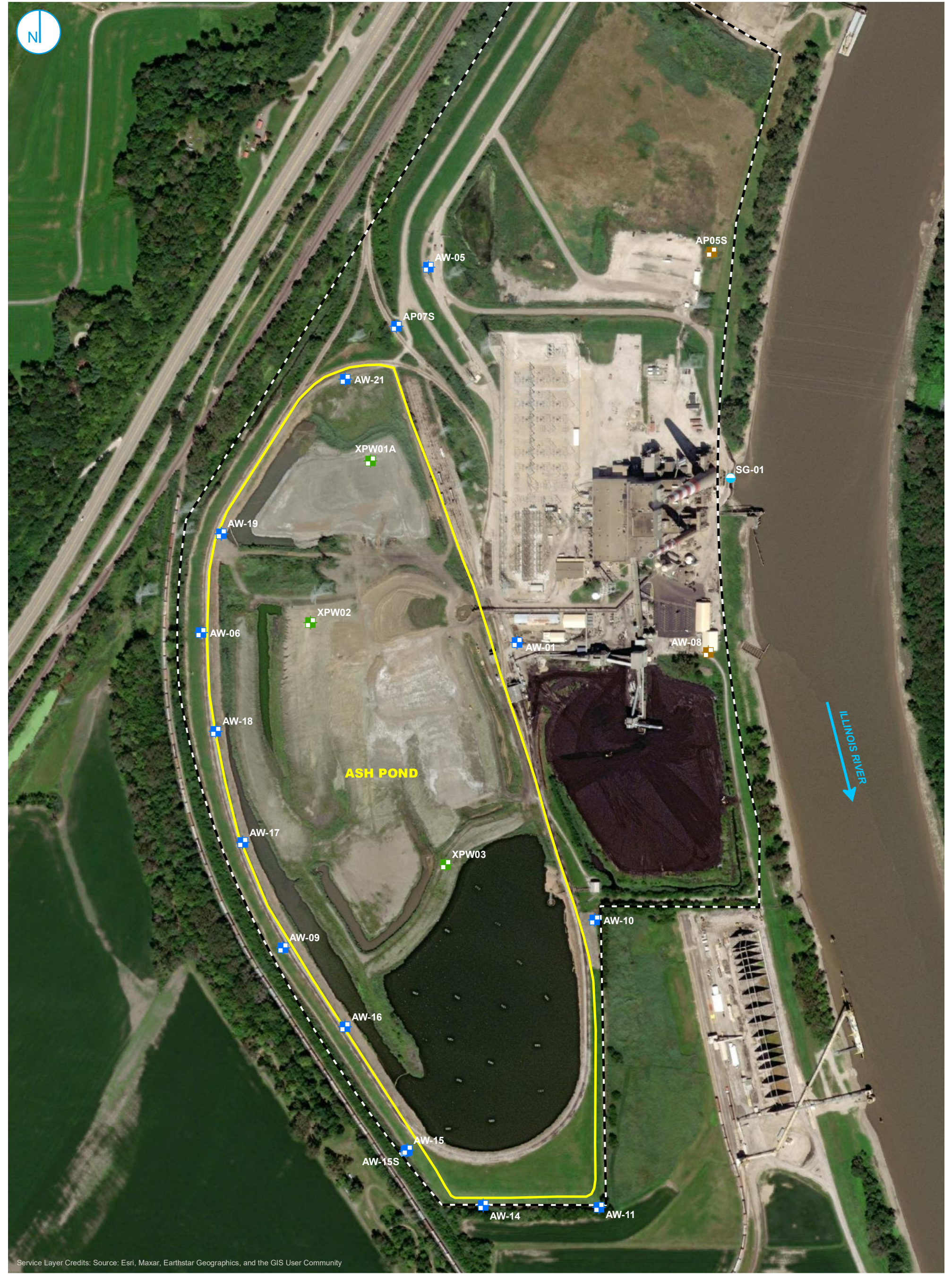
Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-21	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	230	400	Standard	No Exceedance
AW-21	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-21	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	659	1,200	Standard	No Exceedance

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) as part of Illinois Power Resources Generating, LLC’s (IPRG’s) operating permit application for the Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPRG has not identified any actual exceedances.

Events:
E010 = Quarter 3, 2025 sampling event
HSU = hydrostratigraphic unit:
PMP = Potential Migration Pathway
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 linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
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 WELL
- BACKGROUND WELL
- PORE WATER WELL
- 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 REPORT
QUARTER 3, 2025

ASH POND
EDWARDS POWER PLANT
BARTONVILLE, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2025**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AP05S	Background	07/21/2025	5.90	437.35
AP07S	Compliance	07/21/2025	25.23	435.64
AW-01	Compliance	07/21/2025	10.49	454.05
AW-05	Compliance	07/21/2025	8.90	434.47
AW-06	Compliance	07/21/2025	27.44	434.11
AW-08	Background	07/21/2025	23.90	438.76
AW-09	Compliance	07/21/2025	26.82	434.47
AW-10	Compliance	07/21/2025	4.68	435.49
AW-11	Compliance	07/21/2025	6.57	433.47
AW-14	Compliance	07/21/2025	8.15	431.31
AW-15	Compliance	07/21/2025	9.83	431.72
AW-15S	Compliance	07/21/2025	10.07	430.69
AW-16	Compliance	07/21/2025	25.83	436.20
AW-17	Compliance	07/21/2025	28.09	434.13
AW-18	Compliance	07/21/2025	28.06	434.81
AW-19	Compliance	07/21/2025	14.31	446.59
AW-21	Compliance	07/21/2025	18.39	442.40
XPW01A	Water Level	07/21/2025	12.37	451.93
XPW02	Water Level	07/21/2025	21.46	452.45
XPW03	Water Level	07/21/2025	18.50	447.67
SG-01	Water Level	07/21/2025	32.85	433.37

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 3, 2025**



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

August 13, 2025

Brian Voelker
Vistra - Edwards
604 Pierce Boulevard
O'Fallon, IL 62269

Dear Brian Voelker:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Diane Billings". The signature is written in a cursive, flowing style.

Diane Billings
Project Manager

ANALYTICAL RESULTS

Sample: IG03878-01
Name: AW-05
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	67	mg/L	Q4	07/30/25 18:19	50	50	07/30/25 18:19	JSM	EPA 300.0 REV 2.1
Sulfate	480	mg/L		07/31/25 15:24	100	100	07/31/25 15:24	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.78	Feet		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Dissolved oxygen, Field	1.1	mg/L		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Oxidation Reduction Potential	12.0	mV		07/21/25 14:10	1	-500	07/21/25 14:10	FIELD	Field*
pH, Field Measured	6.96	pH Units		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Specific Conductance, Field Measured	166.0	umhos/cm		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Temperature, Field Measured	19.6	°C		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Turbidity, Field Measured	82.2	NTU		07/21/25 14:10	1	0.00	07/21/25 14:10	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	350	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:23	1	0.250	08/04/25 11:23	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:16	TJJ	EPA 6020A
Arsenic	2.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Barium	73	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Boron	12000	ug/L	Q4	07/23/25 08:19	20	40	07/30/25 13:56	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Calcium	180	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:16	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:16	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:16	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Magnesium	84	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:16	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:16	TJJ	EPA 6020A
Molybdenum	2.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Potassium	0.77	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:16	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Sodium	82	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:16	TJJ	EPA 6020A



ANALYTICAL RESULTS

Sample: IG03878-01

Name: AW-05

Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:16	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:12	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-02
Name: AW-06
Matrix: Ground Water - Grab

Sampled: 07/21/25 15:35
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	36	mg/L		07/30/25 19:28	10	10	07/30/25 19:28	JSM	EPA 300.0 REV 2.1
Sulfate	20	mg/L		07/30/25 19:28	10	10	07/30/25 19:28	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	27.4	Feet		07/21/25 15:35	1		07/21/25 15:35	FIELD	Field*
Dissolved oxygen, Field	0.82	mg/L		07/21/25 15:35	1		07/21/25 15:35	FIELD	Field*
Oxidation Reduction Potential	-104	mV		07/21/25 15:35	1	-500	07/21/25 15:35	FIELD	Field*
pH, Field Measured	7.10	pH Units		07/21/25 15:35	1		07/21/25 15:35	FIELD	Field*
Specific Conductance, Field Measured	83.00	umhos/cm		07/21/25 15:35	1		07/21/25 15:35	FIELD	Field*
Temperature, Field Measured	18.2	°C		07/21/25 15:35	1		07/21/25 15:35	FIELD	Field*
Turbidity, Field Measured	103	NTU		07/21/25 15:35	1	0.00	07/21/25 15:35	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	450	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Fluoride	0.366	mg/L		08/04/25 11:25	1	0.250	08/04/25 11:25	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	540	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:19	TJJ	EPA 6020A
Arsenic	2.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Barium	150	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Boron	90	ug/L		07/23/25 08:19	5	10	07/30/25 13:41	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Calcium	110	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:19	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:19	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:19	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Magnesium	45	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:19	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:19	TJJ	EPA 6020A
Molybdenum	5.4	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Potassium	0.80	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:19	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Sodium	61	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:19	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-02

Name: AW-06

Matrix: Ground Water - Grab

Sampled: 07/21/25 15:35

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:19	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:16	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-03
Name: AW-14
Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	23	mg/L		07/30/25 20:36	5	5.0	07/30/25 20:36	JSM	EPA 300.0 REV 2.1
Sulfate	4.6	mg/L		07/30/25 19:45	1	1.0	07/30/25 19:45	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.12	Feet		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Dissolved oxygen, Field	0.70	mg/L		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Oxidation Reduction Potential	-127	mV		07/21/25 16:00	1	-500	07/21/25 16:00	FIELD	Field*
pH, Field Measured	6.91	pH Units		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Specific Conductance, Field Measured	1780	umhos/cm		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Temperature, Field Measured	18.1	°C		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Turbidity, Field Measured	65.0	NTU		07/21/25 16:00	1	0.00	07/21/25 16:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	940	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:26	1	0.250	08/04/25 11:26	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	980	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:23	TJJ	EPA 6020A
Arsenic	1.5	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Barium	590	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Boron	120	ug/L		07/23/25 08:19	5	10	07/30/25 13:44	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Calcium	170	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:23	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:23	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:23	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Magnesium	68	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:23	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:23	TJJ	EPA 6020A
Molybdenum	1.1	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Potassium	2.6	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:23	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Sodium	140	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:23	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-03

Name: AW-14

Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:23	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:17	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-04
Name: AW-18
Matrix: Ground Water - Grab

Sampled: 07/21/25 15:33
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	110	mg/L		07/30/25 21:10	25	25	07/30/25 21:10	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/30/25 20:53	1	1.0	07/30/25 20:53	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	28.14	Feet		07/21/25 15:33	1		07/21/25 15:33	FIELD	Field*
Dissolved oxygen, Field	0.0	mg/L		07/21/25 15:33	1		07/21/25 15:33	FIELD	Field*
Oxidation Reduction Potential	-131	mV		07/21/25 15:33	1	-500	07/21/25 15:33	FIELD	Field*
pH, Field Measured	6.83	pH Units		07/21/25 15:33	1		07/21/25 15:33	FIELD	Field*
Specific Conductance, Field Measured	1620	umhos/cm		07/21/25 15:33	1		07/21/25 15:33	FIELD	Field*
Temperature, Field Measured	24.3	°C		07/21/25 15:33	1		07/21/25 15:33	FIELD	Field*
Turbidity, Field Measured	44.2	NTU		07/21/25 15:33	1	0.00	07/21/25 15:33	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	820	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:28	1	0.250	08/04/25 11:28	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	980	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:27	TJJ	EPA 6020A
Arsenic	5.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Barium	1600	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Boron	240	ug/L		07/23/25 08:19	5	10	07/30/25 13:47	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Calcium	130	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:27	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:27	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:27	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Magnesium	56	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:27	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:27	TJJ	EPA 6020A
Molybdenum	2.2	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Potassium	4.3	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:27	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Sodium	200	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:27	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-04

Name: AW-18

Matrix: Ground Water - Grab

Sampled: 07/21/25 15:33

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:27	TJJ	EPA 6020A
Lithium	28	ug/L		07/23/25 08:19	1	20	07/30/25 09:20	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-05
Name: AW-19
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:06
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	74	mg/L		07/30/25 21:44	25	25	07/30/25 21:44	JSM	EPA 300.0 REV 2.1
Sulfate	53	mg/L		07/30/25 21:44	25	25	07/30/25 21:44	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	15.35	Feet		07/21/25 14:06	1		07/21/25 14:06	FIELD	Field*
Dissolved oxygen, Field	0.0	mg/L		07/21/25 14:06	1		07/21/25 14:06	FIELD	Field*
Oxidation Reduction Potential	24.0	mV		07/21/25 14:06	1	-500	07/21/25 14:06	FIELD	Field*
pH, Field Measured	6.97	pH Units		07/21/25 14:06	1		07/21/25 14:06	FIELD	Field*
Specific Conductance, Field Measured	1240	umhos/cm		07/21/25 14:06	1		07/21/25 14:06	FIELD	Field*
Temperature, Field Measured	25.3	°C		07/21/25 14:06	1		07/21/25 14:06	FIELD	Field*
Turbidity, Field Measured	54.4	NTU		07/21/25 14:06	1	0.00	07/21/25 14:06	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	450	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Fluoride	0.268	mg/L		08/04/25 11:29	1	0.250	08/04/25 11:29	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	650	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:30	TJJ	EPA 6020A
Arsenic	12	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Barium	180	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Boron	3100	ug/L		07/23/25 08:19	5	10	07/30/25 13:50	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Calcium	120	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:30	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:30	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:30	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Magnesium	57	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:30	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:30	TJJ	EPA 6020A
Molybdenum	3.8	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Potassium	0.92	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:30	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Sodium	55	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:30	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-05

Name: AW-19

Matrix: Ground Water - Grab

Sampled: 07/21/25 14:06

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:30	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:21	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-06
Name: AW-21
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	80	mg/L		07/30/25 22:19	50	50	07/30/25 22:19	JSM	EPA 300.0 REV 2.1
Fluoride	0.291	mg/L		07/30/25 22:02	1	0.250	07/30/25 22:02	JSM	EPA 300.0 REV 2.1
Sulfate	250	mg/L		07/30/25 22:19	50	50	07/30/25 22:19	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.41	Feet		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Dissolved oxygen, Field	3.4	mg/L		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Oxidation Reduction Potential	242	mV		07/21/25 14:25	1	-500	07/21/25 14:25	FIELD	Field*
pH, Field Measured	7.29	pH Units		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Specific Conductance, Field Measured	1040	umhos/cm		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Temperature, Field Measured	18.5	°C		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Turbidity, Field Measured	26.3	NTU		07/21/25 14:25	1	0.00	07/21/25 14:25	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	200	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/28/25 10:04	1	10	07/28/25 10:04	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	730	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:38	TJJ	EPA 6020A
Arsenic	1.3	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Barium	57	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Boron	12000	ug/L		07/23/25 08:19	20	40	08/07/25 10:16	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Calcium	120	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:38	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:38	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:38	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Magnesium	42	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:38	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:38	TJJ	EPA 6020A
Molybdenum	15	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Potassium	1.5	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:38	TJJ	EPA 6020A
Selenium	1.6	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Sodium	51	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:38	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-06

Name: AW-21

Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:38	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:22	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-07
Name: AW-05 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	72	mg/L		07/30/25 22:53	50	50	07/30/25 22:53	JSM	EPA 300.0 REV 2.1
Sulfate	490	mg/L		07/31/25 16:16	100	100	07/31/25 16:16	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.78	Feet		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Dissolved oxygen, Field	1.1	mg/L		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Oxidation Reduction Potential	12.0	mV		07/21/25 14:10	1	-500	07/21/25 14:10	FIELD	Field*
pH, Field Measured	6.96	pH Units		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Specific Conductance, Field Measured	166.0	umhos/cm		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Temperature, Field Measured	19.6	°C		07/21/25 14:10	1		07/21/25 14:10	FIELD	Field*
Turbidity, Field Measured	82.2	NTU		07/21/25 14:10	1	0.00	07/21/25 14:10	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	350	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:36	1	0.250	08/04/25 13:36	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:41	TJJ	EPA 6020A
Arsenic	2.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Barium	74	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Boron	12000	ug/L		07/23/25 08:19	20	40	07/30/25 14:29	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Calcium	180	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:41	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:41	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:41	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Magnesium	84	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:41	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:41	TJJ	EPA 6020A
Molybdenum	2.8	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Potassium	0.77	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:41	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Sodium	82	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:41	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-07

Name: AW-05 DUP

Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:41	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:26	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-08
Name: AW-14 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	25	mg/L		07/31/25 00:01	5	5.0	07/31/25 00:01	JSM	EPA 300.0 REV 2.1
Sulfate	4.7	mg/L		07/30/25 23:10	1	1.0	07/30/25 23:10	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.12	Feet		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Dissolved oxygen, Field	0.70	mg/L		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Oxidation Reduction Potential	-127	mV		07/21/25 16:00	1	-500	07/21/25 16:00	FIELD	Field*
pH, Field Measured	6.91	pH Units		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Specific Conductance, Field Measured	1780	umhos/cm		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Temperature, Field Measured	18.1	°C		07/21/25 16:00	1		07/21/25 16:00	FIELD	Field*
Turbidity, Field Measured	65.0	NTU		07/21/25 16:00	1	0.00	07/21/25 16:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	950	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:37	1	0.250	08/04/25 13:37	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	980	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:34	TJJ	EPA 6020A
Arsenic	1.4	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Barium	580	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Boron	250	ug/L		07/23/25 08:19	5	10	07/30/25 14:32	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Calcium	170	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:34	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:34	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:34	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Magnesium	66	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:34	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:34	TJJ	EPA 6020A
Molybdenum	2.3	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Potassium	2.5	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:34	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Sodium	140	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:34	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-08

Name: AW-14 DUP

Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:34	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:27	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG03878-09
Name: AW-21 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	79	mg/L		07/31/25 00:35	50	50	07/31/25 00:35	JSM	EPA 300.0 REV 2.1
Fluoride	0.272	mg/L		07/31/25 00:18	1	0.250	07/31/25 00:18	JSM	EPA 300.0 REV 2.1
Sulfate	240	mg/L		07/31/25 00:35	50	50	07/31/25 00:35	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.41	Feet		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Dissolved oxygen, Field	3.4	mg/L		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Oxidation Reduction Potential	242	mV		07/21/25 14:25	1	-500	07/21/25 14:25	FIELD	Field*
pH, Field Measured	7.29	pH Units		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Specific Conductance, Field Measured	1040	umhos/cm		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Temperature, Field Measured	18.5	°C		07/21/25 14:25	1		07/21/25 14:25	FIELD	Field*
Turbidity, Field Measured	26.3	NTU		07/21/25 14:25	1	0.00	07/21/25 14:25	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	200	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	740	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/23/25 08:19	5	3.0	07/28/25 12:45	TJJ	EPA 6020A
Arsenic	1.3	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Barium	57	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Boron	12000	ug/L		07/23/25 08:19	20	40	08/07/25 10:18	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Calcium	120	mg/L		07/23/25 08:19	5	0.20	07/28/25 12:45	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/23/25 08:19	5	4.0	07/28/25 12:45	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/23/25 08:19	5	2.0	07/28/25 12:45	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Magnesium	42	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:45	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/23/25 08:19	5	0.20	07/28/25 12:45	TJJ	EPA 6020A
Molybdenum	15	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Potassium	1.4	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:45	TJJ	EPA 6020A
Selenium	1.6	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Sodium	51	mg/L		07/23/25 08:19	5	0.10	07/28/25 12:45	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG03878-09

Name: AW-21 DUP

Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25

Received: 07/21/25 16:32

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/23/25 08:19	5	1.0	07/28/25 12:45	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/23/25 08:19	1	20	07/30/25 09:28	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-01
Name: AP05S
Matrix: Ground Water - Grab

Sampled: 07/22/25 13:57
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	46	mg/L	Q4	07/31/25 17:07	10	10	07/31/25 17:07	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 16:50	1	1.0	07/31/25 16:50	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	6	Feet		07/22/25 13:57	1		07/22/25 13:57	FIELD	Field*
Dissolved oxygen, Field	0.92	mg/L		07/22/25 13:57	1		07/22/25 13:57	FIELD	Field*
Oxidation Reduction Potential	-101	mV		07/22/25 13:57	1	-500	07/22/25 13:57	FIELD	Field*
pH, Field Measured	6.90	pH Units		07/22/25 13:57	1		07/22/25 13:57	FIELD	Field*
Specific Conductance, Field Measured	1630	umhos/cm		07/22/25 13:57	1		07/22/25 13:57	FIELD	Field*
Temperature, Field Measured	18.5	°C		07/22/25 13:57	1		07/22/25 13:57	FIELD	Field*
Turbidity, Field Measured	70.3	NTU		07/22/25 13:57	1	0.00	07/22/25 13:57	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	790	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:32	1	0.250	08/04/25 11:32	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	860	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 13:36	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Barium	1000	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Boron	340	ug/L		07/24/25 09:37	5	10	07/30/25 11:04	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Calcium	100	mg/L	Q4	07/24/25 09:37	5	0.20	07/28/25 13:36	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 13:36	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 13:36	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Magnesium	44	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:36	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/31/25 11:41	TJJ	EPA 6020A
Molybdenum	4.8	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Potassium	4.2	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:36	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Sodium	190	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:36	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-01

Name: AP05S

Matrix: Ground Water - Grab

Sampled: 07/22/25 13:57

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:36	TJJ	EPA 6020A
Lithium	32	ug/L		07/24/25 09:37	1	20	07/30/25 09:32	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-02
Name: AP07S
Matrix: Ground Water - Grab

Sampled: 07/22/25 15:12
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	66	mg/L		07/31/25 18:15	10	10	07/31/25 18:15	JSM	EPA 300.0 REV 2.1
Sulfate	500	mg/L		07/31/25 18:32	50	50	07/31/25 18:32	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	25.12	Feet		07/22/25 15:12	1		07/22/25 15:12	FIELD	Field*
Dissolved oxygen, Field	0.57	mg/L		07/22/25 15:12	1		07/22/25 15:12	FIELD	Field*
Oxidation Reduction Potential	31.0	mV		07/22/25 15:12	1	-500	07/22/25 15:12	FIELD	Field*
pH, Field Measured	7.09	pH Units		07/22/25 15:12	1		07/22/25 15:12	FIELD	Field*
Specific Conductance, Field Measured	1480	umhos/cm		07/22/25 15:12	1		07/22/25 15:12	FIELD	Field*
Temperature, Field Measured	17.8	°C		07/22/25 15:12	1		07/22/25 15:12	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU		07/22/25 15:12	1	0.00	07/22/25 15:12	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	420	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:40	1	0.250	08/04/25 11:40	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 14:09	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Barium	71	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Boron	19000	ug/L		07/24/25 09:37	20	40	07/30/25 11:16	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Calcium	200	mg/L		07/24/25 09:37	5	0.20	07/28/25 14:09	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 14:09	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 14:09	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Magnesium	76	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:09	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 14:09	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Potassium	0.56	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:09	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Sodium	79	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:09	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-02
Name: AP07S
Matrix: Ground Water - Grab

Sampled: 07/22/25 15:12
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:09	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/24/25 09:37	1	20	07/30/25 09:38	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-03
Name: AW-01
Matrix: Ground Water - Grab

Sampled: 07/22/25 12:46
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	7.5	mg/L		07/31/25 18:49	1	1.0	07/31/25 18:49	JSM	EPA 300.0 REV 2.1
Sulfate	44	mg/L		07/31/25 19:41	10	10	07/31/25 19:41	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	10.52	Feet		07/22/25 12:46	1		07/22/25 12:46	FIELD	Field*
Dissolved oxygen, Field	0.57	mg/L		07/22/25 12:46	1		07/22/25 12:46	FIELD	Field*
Oxidation Reduction Potential	-68.0	mV		07/22/25 12:46	1	-500	07/22/25 12:46	FIELD	Field*
pH, Field Measured	6.85	pH Units		07/22/25 12:46	1		07/22/25 12:46	FIELD	Field*
Specific Conductance, Field Measured	1350	umhos/cm		07/22/25 12:46	1		07/22/25 12:46	FIELD	Field*
Temperature, Field Measured	20.2	°C		07/22/25 12:46	1		07/22/25 12:46	FIELD	Field*
Turbidity, Field Measured	107	NTU		07/22/25 12:46	1	0.00	07/22/25 12:46	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	720	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 11:41	1	0.250	08/04/25 11:41	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	580	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 13:39	TJJ	EPA 6020A
Arsenic	7.7	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Barium	110	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Boron	70	ug/L		07/24/25 09:37	5	10	07/30/25 11:39	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Calcium	180	mg/L		07/24/25 09:37	5	0.20	07/28/25 13:39	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 13:39	TJJ	EPA 6020A
Cobalt	3.4	ug/L		07/24/25 09:37	5	2.0	07/28/25 13:39	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Magnesium	81	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:39	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/31/25 11:45	TJJ	EPA 6020A
Molybdenum	3.4	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Potassium	0.31	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:39	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Sodium	18	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:39	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-03

Name: AW-01

Matrix: Ground Water - Grab

Sampled: 07/22/25 12:46

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:39	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/24/25 09:37	1	20	07/30/25 09:39	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-04
Name: AW-09
Matrix: Ground Water - Grab

Sampled: 07/22/25 13:50
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	29	mg/L		07/31/25 20:15	5	5.0	07/31/25 20:15	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 19:58	1	1.0	07/31/25 19:58	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.88	Feet		07/22/25 13:50	1		07/22/25 13:50	FIELD	Field*
Dissolved oxygen, Field	0.95	mg/L		07/22/25 13:50	1		07/22/25 13:50	FIELD	Field*
Oxidation Reduction Potential	143	mV		07/22/25 13:50	1	-500	07/22/25 13:50	FIELD	Field*
pH, Field Measured	7.00	pH Units		07/22/25 13:50	1		07/22/25 13:50	FIELD	Field*
Specific Conductance, Field Measured	1290	umhos/cm		07/22/25 13:50	1		07/22/25 13:50	FIELD	Field*
Temperature, Field Measured	19.8	°C		07/22/25 13:50	1		07/22/25 13:50	FIELD	Field*
Turbidity, Field Measured	52.2	NTU		07/22/25 13:50	1	0.00	07/22/25 13:50	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	720	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 12:17	1	0.250	08/04/25 12:17	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	720	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 13:43	TJJ	EPA 6020A
Arsenic	21	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Barium	400	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Boron	280	ug/L		07/24/25 09:37	5	10	07/30/25 11:42	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Calcium	120	mg/L		07/24/25 09:37	5	0.20	07/28/25 13:43	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 13:43	TJJ	EPA 6020A
Cobalt	2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 13:43	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Magnesium	50	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:43	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 13:43	TJJ	EPA 6020A
Molybdenum	16	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Potassium	2.2	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:43	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Sodium	140	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:43	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-04

Name: AW-09

Matrix: Ground Water - Grab

Sampled: 07/22/25 13:50

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:43	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/24/25 09:37	1	20	07/30/25 09:40	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-05
Name: AW-10
Matrix: Ground Water - Grab

Sampled: 07/22/25 15:22
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	85	mg/L		07/31/25 20:49	10	10	07/31/25 20:49	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 20:32	1	1.0	07/31/25 20:32	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	4.9	Feet		07/22/25 15:22	1		07/22/25 15:22	FIELD	Field*
Dissolved oxygen, Field	0.72	mg/L		07/22/25 15:22	1		07/22/25 15:22	FIELD	Field*
Oxidation Reduction Potential	-106	mV		07/22/25 15:22	1	-500	07/22/25 15:22	FIELD	Field*
pH, Field Measured	6.94	pH Units		07/22/25 15:22	1		07/22/25 15:22	FIELD	Field*
Specific Conductance, Field Measured	2080	umhos/cm		07/22/25 15:22	1		07/22/25 15:22	FIELD	Field*
Temperature, Field Measured	21.7	°C		07/22/25 15:22	1		07/22/25 15:22	FIELD	Field*
Turbidity, Field Measured	439	NTU		07/22/25 15:22	1	0.00	07/22/25 15:22	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	1000	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:11	1	0.250	08/04/25 13:11	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 13:54	TJJ	EPA 6020A
Arsenic	12	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Barium	990	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Boron	440	ug/L		07/24/25 09:37	5	10	07/30/25 11:45	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Calcium	140	mg/L		07/24/25 09:37	5	0.20	07/28/25 13:54	TJJ	EPA 6020A
Chromium	18	ug/L		07/24/25 09:37	5	4.0	07/28/25 13:54	TJJ	EPA 6020A
Cobalt	13	ug/L		07/24/25 09:37	5	2.0	07/28/25 13:54	TJJ	EPA 6020A
Lead	9.8	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Magnesium	70	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:54	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 13:54	TJJ	EPA 6020A
Molybdenum	1.3	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Potassium	4.1	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:54	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Sodium	260	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:54	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-05

Name: AW-10

Matrix: Ground Water - Grab

Sampled: 07/22/25 15:22

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:54	TJJ	EPA 6020A
Lithium	50	ug/L		07/24/25 09:37	1	20	07/30/25 09:41	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-06
Name: AW-15
Matrix: Ground Water - Grab

Sampled: 07/22/25 10:10
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	36	mg/L		07/31/25 21:23	10	10	07/31/25 21:23	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 21:06	1	1.0	07/31/25 21:06	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.9	Feet		07/22/25 10:10	1		07/22/25 10:10	FIELD	Field*
Dissolved oxygen, Field	0.50	mg/L		07/22/25 10:10	1		07/22/25 10:10	FIELD	Field*
Oxidation Reduction Potential	-106	mV		07/22/25 10:10	1	-500	07/22/25 10:10	FIELD	Field*
pH, Field Measured	6.80	pH Units		07/22/25 10:10	1		07/22/25 10:10	FIELD	Field*
Specific Conductance, Field Measured	1980	umhos/cm		07/22/25 10:10	1		07/22/25 10:10	FIELD	Field*
Temperature, Field Measured	17.7	°C		07/22/25 10:10	1		07/22/25 10:10	FIELD	Field*
Turbidity, Field Measured	12.5	NTU		07/22/25 10:10	1	0.00	07/22/25 10:10	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	1000	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:15	1	0.250	08/04/25 13:15	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1000	mg/L		07/24/25 08:35	1	26	07/24/25 12:20	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 13:58	TJJ	EPA 6020A
Arsenic	1.8	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Barium	1700	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Boron	370	ug/L		07/24/25 09:37	5	10	07/30/25 11:48	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Calcium	130	mg/L		07/24/25 09:37	5	0.20	07/28/25 13:58	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 13:58	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 13:58	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Magnesium	56	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:58	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 13:58	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Potassium	4.1	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:58	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Sodium	210	mg/L		07/24/25 09:37	5	0.10	07/28/25 13:58	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-06

Name: AW-15

Matrix: Ground Water - Grab

Sampled: 07/22/25 10:10

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 13:58	TJJ	EPA 6020A
Lithium	31	ug/L		07/24/25 09:37	1	20	07/30/25 09:42	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-07
Name: AW-15S
Matrix: Ground Water - Grab

Sampled: 07/22/25 11:17
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	28	mg/L		07/31/25 21:57	10	10	07/31/25 21:57	JSM	EPA 300.0 REV 2.1
Sulfate	520	mg/L		07/31/25 22:14	100	100	07/31/25 22:14	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	10.15	Feet		07/22/25 11:17	1		07/22/25 11:17	FIELD	Field*
Dissolved oxygen, Field	0.68	mg/L		07/22/25 11:17	1		07/22/25 11:17	FIELD	Field*
Oxidation Reduction Potential	-4.00	mV		07/22/25 11:17	1	-500	07/22/25 11:17	FIELD	Field*
pH, Field Measured	6.91	pH Units		07/22/25 11:17	1		07/22/25 11:17	FIELD	Field*
Specific Conductance, Field Measured	1800	umhos/cm		07/22/25 11:17	1		07/22/25 11:17	FIELD	Field*
Temperature, Field Measured	17.7	°C		07/22/25 11:17	1		07/22/25 11:17	FIELD	Field*
Turbidity, Field Measured	34.3	NTU		07/22/25 11:17	1	0.00	07/22/25 11:17	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	480	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:16	1	0.250	08/04/25 13:16	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		07/28/25 10:40	1	26	07/28/25 12:43	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 14:13	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Barium	73	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Boron	5800	ug/L		07/24/25 09:37	20	40	07/30/25 11:51	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Calcium	260	mg/L		07/24/25 09:37	5	0.20	07/28/25 14:13	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 14:13	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 14:13	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Magnesium	83	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:13	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 14:13	TJJ	EPA 6020A
Molybdenum	2.6	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Potassium	0.71	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:13	TJJ	EPA 6020A
Selenium	1.3	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Sodium	50	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:13	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-07

Name: AW-15S

Matrix: Ground Water - Grab

Sampled: 07/22/25 11:17

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:13	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/24/25 09:37	1	20	07/30/25 09:44	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-08
Name: AW-16
Matrix: Ground Water - Grab

Sampled: 07/22/25 12:33
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	49	mg/L		07/31/25 23:22	10	10	07/31/25 23:22	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 23:05	1	1.0	07/31/25 23:05	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	27.89	Feet		07/22/25 12:33	1		07/22/25 12:33	FIELD	Field*
Dissolved oxygen, Field	0.11	mg/L		07/22/25 12:33	1		07/22/25 12:33	FIELD	Field*
Oxidation Reduction Potential	-120	mV		07/22/25 12:33	1	-500	07/22/25 12:33	FIELD	Field*
pH, Field Measured	6.74	pH Units		07/22/25 12:33	1		07/22/25 12:33	FIELD	Field*
Specific Conductance, Field Measured	2050	umhos/cm		07/22/25 12:33	1		07/22/25 12:33	FIELD	Field*
Temperature, Field Measured	18.1	°C		07/22/25 12:33	1		07/22/25 12:33	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU		07/22/25 12:33	1	0.00	07/22/25 12:33	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO ₃	1100	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO ₃	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:17	1	0.250	08/04/25 13:17	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1100	mg/L		07/28/25 10:40	1	26	07/28/25 12:43	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 14:02	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Barium	1100	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Boron	410	ug/L		07/24/25 09:37	5	10	07/30/25 11:54	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Calcium	140	mg/L		07/24/25 09:37	5	0.20	07/28/25 14:02	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 14:02	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 14:02	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Magnesium	60	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:02	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 14:02	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Potassium	4.6	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:02	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Sodium	250	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:02	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-08

Name: AW-16

Matrix: Ground Water - Grab

Sampled: 07/22/25 12:33

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:02	TJJ	EPA 6020A
Lithium	33	ug/L		07/24/25 09:37	1	20	07/30/25 09:45	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04159-09
Name: AW-17
Matrix: Ground Water - Grab

Sampled: 07/22/25 11:20
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	55	mg/L	Q4	07/31/25 23:57	10	10	07/31/25 23:57	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/31/25 23:40	1	1.0	07/31/25 23:40	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	28.11	Feet		07/22/25 11:20	1		07/22/25 11:20	FIELD	Field*
Dissolved oxygen, Field	0.080	mg/L		07/22/25 11:20	1		07/22/25 11:20	FIELD	Field*
Oxidation Reduction Potential	-145	mV		07/22/25 11:20	1	-500	07/22/25 11:20	FIELD	Field*
pH, Field Measured	6.84	pH Units		07/22/25 11:20	1		07/22/25 11:20	FIELD	Field*
Specific Conductance, Field Measured	1650	umhos/cm		07/22/25 11:20	1		07/22/25 11:20	FIELD	Field*
Temperature, Field Measured	18.9	°C		07/22/25 11:20	1		07/22/25 11:20	FIELD	Field*
Turbidity, Field Measured	10.3	NTU		07/22/25 11:20	1	0.00	07/22/25 11:20	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	840	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/31/25 09:45	1	10	07/31/25 09:45	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/04/25 13:23	1	0.250	08/04/25 13:23	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	920	mg/L		07/28/25 10:40	1	26	07/28/25 12:43	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/24/25 09:37	5	3.0	07/28/25 14:05	TJJ	EPA 6020A
Arsenic	3.4	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Barium	950	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Boron	390	ug/L		07/24/25 09:37	5	10	07/30/25 11:57	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Calcium	100	mg/L		07/24/25 09:37	5	0.20	07/28/25 14:05	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/24/25 09:37	5	4.0	07/28/25 14:05	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/24/25 09:37	5	2.0	07/28/25 14:05	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Magnesium	44	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:05	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/24/25 09:37	5	0.20	07/28/25 14:05	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Potassium	4.2	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:05	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Sodium	220	mg/L		07/24/25 09:37	5	0.10	07/28/25 14:05	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04159-09

Name: AW-17

Matrix: Ground Water - Grab

Sampled: 07/22/25 11:20

Received: 07/22/25 16:15

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/24/25 09:37	5	1.0	07/28/25 14:05	TJJ	EPA 6020A
Lithium	32	ug/L		07/24/25 09:37	1	20	07/30/25 09:46	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04858-01
Name: AW-08
Matrix: Ground Water - Grab

Sampled: 07/25/25 09:12
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	16	mg/L	Q4	08/06/25 12:02	5	5.0	08/06/25 12:02	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		08/06/25 10:54	1	1.0	08/06/25 10:54	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.25	Feet		07/25/25 09:12	1		07/25/25 09:12	FIELD	Field*
Dissolved oxygen, Field	1.1	mg/L		07/25/25 09:12	1		07/25/25 09:12	FIELD	Field*
Oxidation Reduction Potential	-110	mV		07/25/25 09:12	1	-500	07/25/25 09:12	FIELD	Field*
pH, Field Measured	6.81	pH Units		07/25/25 09:12	1		07/25/25 09:12	FIELD	Field*
Specific Conductance, Field Measured	1360	umhos/cm		07/25/25 09:12	1		07/25/25 09:12	FIELD	Field*
Temperature, Field Measured	20.6	°C		07/25/25 09:12	1		07/25/25 09:12	FIELD	Field*
Turbidity, Field Measured	244	NTU		07/25/25 09:12	1	0.00	07/25/25 09:12	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	690	mg/L		08/04/25 10:19	1	10	08/04/25 10:19	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/04/25 10:19	1	10	08/04/25 10:19	CFM	SM 2320 B-2011*
Fluoride	0.262	mg/L		08/06/25 15:25	1	0.250	08/06/25 15:25	tth	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	610	mg/L		07/29/25 11:07	1	26	07/29/25 15:24	CFM/EN H	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/29/25 07:51	5	3.0	07/31/25 15:08	TJJ	EPA 6020A
Arsenic	13	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Barium	390	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Boron	150	ug/L		07/29/25 07:51	5	10	07/30/25 14:23	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Calcium	140	mg/L	Q4	07/29/25 07:51	5	0.20	07/31/25 15:08	TJJ	EPA 6020A
Chromium	4.8	ug/L		07/29/25 07:51	5	4.0	07/31/25 15:08	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/29/25 07:51	5	2.0	07/31/25 15:08	TJJ	EPA 6020A
Lead	1.4	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Magnesium	59	mg/L	Q4	07/29/25 07:51	5	0.10	07/31/25 15:08	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/29/25 07:51	5	0.20	07/31/25 15:08	TJJ	EPA 6020A
Molybdenum	1.4	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Potassium	2.0	mg/L		07/29/25 07:51	5	0.10	07/31/25 15:08	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Sodium	72	mg/L	Q4	07/29/25 07:51	5	0.10	07/31/25 15:08	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04858-01

Name: AW-08

Matrix: Ground Water - Grab

Sampled: 07/25/25 09:12

Received: 07/25/25 12:24

PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:08	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/29/25 07:51	1	20	07/30/25 09:51	TJJ	EPA 6010B

ANALYTICAL RESULTS

Sample: IG04858-02
Name: AW-11
Matrix: Ground Water - Grab

Sampled: 07/25/25 10:25
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	34	mg/L		08/05/25 17:07	5	5.0	08/05/25 17:07	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		08/05/25 15:18	1	1.0	08/05/25 15:18	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	6.84	Feet		07/25/25 10:25	1		07/25/25 10:25	FIELD	Field*
Dissolved oxygen, Field	0.50	mg/L		07/25/25 10:25	1		07/25/25 10:25	FIELD	Field*
Oxidation Reduction Potential	-119	mV		07/25/25 10:25	1	-500	07/25/25 10:25	FIELD	Field*
pH, Field Measured	7.00	pH Units		07/25/25 10:25	1		07/25/25 10:25	FIELD	Field*
Specific Conductance, Field Measured	1720	umhos/cm		07/25/25 10:25	1		07/25/25 10:25	FIELD	Field*
Temperature, Field Measured	18.1	°C		07/25/25 10:25	1		07/25/25 10:25	FIELD	Field*
Turbidity, Field Measured	135	NTU		07/25/25 10:25	1	0.00	07/25/25 10:25	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	900	mg/L		08/04/25 10:19	1	10	08/04/25 10:19	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/04/25 10:19	1	10	08/04/25 10:19	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/06/25 15:26	1	0.250	08/06/25 15:26	tth	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	890	mg/L		07/29/25 11:07	1	26	07/29/25 15:24	CFM/EN H	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		07/29/25 07:51	5	3.0	07/31/25 15:11	TJJ	EPA 6020A
Arsenic	9.1	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Barium	1100	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Boron	250	ug/L		07/29/25 07:51	5	10	07/30/25 14:26	WJM	EPA 6020A
Cadmium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Calcium	150	mg/L		07/29/25 07:51	5	0.20	07/31/25 15:11	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		07/29/25 07:51	5	4.0	07/31/25 15:11	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		07/29/25 07:51	5	2.0	07/31/25 15:11	TJJ	EPA 6020A
Lead	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Magnesium	69	mg/L		07/29/25 07:51	5	0.10	07/31/25 15:11	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		07/29/25 07:51	5	0.20	07/31/25 15:11	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Potassium	2.6	mg/L		07/29/25 07:51	5	0.10	07/31/25 15:11	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Sodium	150	mg/L		07/29/25 07:51	5	0.10	07/31/25 15:11	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: IG04858-02
Name: AW-11
Matrix: Ground Water - Grab

Sampled: 07/25/25 10:25
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		07/29/25 07:51	5	1.0	07/31/25 15:11	TJJ	EPA 6020A
Lithium	< 20	ug/L		07/29/25 07:51	1	20	07/30/25 09:55	TJJ	EPA 6010B

Sample: IG04858-04
Name: XPW01A
Matrix: Ground Water

Sampled: 07/21/25 10:32
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Field - PIA

Depth, From Measuring Point	12.37	Feet		07/21/25 12:37	1		07/21/25 12:37	FIELD	Field*
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Sample: IG04858-05
Name: XPW02
Matrix: Ground Water

Sampled: 07/21/25 10:55
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Field - PIA

Depth, From Measuring Point	12.39	Feet		07/21/25 10:55	1		07/21/25 10:55	FIELD	Field*
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Sample: IG04858-06
Name: XPW03
Matrix: Ground Water

Sampled: 07/21/25 12:04
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Field - PIA

Depth, From Measuring Point	18.5	Feet		07/21/25 12:04	1		07/21/25 12:04	FIELD	Field*
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Sample: IG04858-07
Name: SG-01
Matrix: Ground Water

Sampled: 07/21/25 11:13
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Field - PIA

Depth, From Measuring Point	32.85	Feet		07/21/25 11:13	1		07/21/25 11:13	FIELD	Field*
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B538429 - SW 3015 - EPA 6010B</u>									
Blank (B538429-BLK1)				Prepared: 07/23/25 Analyzed: 07/30/25					
Lithium	< 20	ug/L							
LCS (B538429-BS1)				Prepared: 07/23/25 Analyzed: 07/30/25					
Lithium	569	ug/L		555.6		102	80-120		
Matrix Spike (B538429-MS1)				Prepared: 07/23/25 Analyzed: 07/30/25					
Lithium	547	ug/L		555.6	10.6	96	75-125		
Matrix Spike Dup (B538429-MSD1)				Prepared: 07/23/25 Analyzed: 07/30/25					
Lithium	562	ug/L		555.6	10.6	99	75-125	3	20
<u>Batch B538429 - SW 3015 - EPA 6020A</u>									
Blank (B538429-BLK1)				Prepared: 07/23/25 Analyzed: 07/28/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							
Boron	< 10	ug/L							
Cadmium	< 1.0	ug/L							
Calcium	< 0.20	mg/L							
Chromium	< 4.0	ug/L							
Cobalt	< 2.0	ug/L							
Lead	< 1.0	ug/L							
Magnesium	< 0.10	mg/L							
Mercury	< 0.20	ug/L							
Molybdenum	< 1.0	ug/L							
Potassium	< 0.10	mg/L							
Selenium	< 1.0	ug/L							
Sodium	< 0.10	mg/L							
Thallium	< 1.0	ug/L							
LCS (B538429-BS1)				Prepared: 07/23/25 Analyzed: 07/28/25					
Antimony	539	ug/L		555.6		97	80-120		
Arsenic	564	ug/L		555.6		101	80-120		
Barium	559	ug/L		555.6		101	80-120		
Beryllium	550	ug/L		555.6		99	80-120		
Boron	494	ug/L		555.6		89	80-120		
Cadmium	557	ug/L		555.6		100	80-120		
Calcium	5.66	mg/L		5.556		102	80-120		
Chromium	582	ug/L		555.6		105	80-120		
Cobalt	584	ug/L		555.6		105	80-120		
Lead	584	ug/L		555.6		105	80-120		
Magnesium	6.05	mg/L		5.556		109	80-120		
Mercury	56.0	ug/L		55.56		101	80-120		
Molybdenum	542	ug/L		555.6		98	80-120		
Potassium	5.67	mg/L		5.556		102	80-120		
Selenium	551	ug/L		555.6		99	80-120		
Sodium	5.88	mg/L		5.556		106	80-120		

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B538429-BS1)				Prepared: 07/23/25 Analyzed: 07/28/25					
Thallium	557	ug/L		555.6		100	80-120		
Matrix Spike (B538429-MS1)				Sample: IG03878-01		Prepared: 07/23/25 Analyzed: 07/28/25			
Antimony	530	ug/L		555.6	ND	95	75-125		
Arsenic	583	ug/L		555.6	2.04	105	75-125		
Barium	623	ug/L		555.6	72.7	99	75-125		
Beryllium	538	ug/L		555.6	ND	97	75-125		
Boron	12300	ug/L	Q4	555.6	11800	96	75-125		
Cadmium	548	ug/L		555.6	ND	99	75-125		
Calcium	187	mg/L		5.556	181	100	75-125		
Chromium	566	ug/L		555.6	ND	102	75-125		
Cobalt	566	ug/L		555.6	1.04	102	75-125		
Lead	567	ug/L		555.6	ND	102	75-125		
Magnesium	89.9	mg/L		5.556	84.3	101	75-125		
Mercury	57.0	ug/L		55.56	0.183	102	75-125		
Molybdenum	554	ug/L		555.6	1.99	99	75-125		
Potassium	6.27	mg/L		5.556	0.772	99	75-125		
Selenium	545	ug/L		555.6	ND	98	75-125		
Sodium	87.8	mg/L		5.556	81.9	107	75-125		
Thallium	543	ug/L		555.6	ND	98	75-125		
Matrix Spike Dup (B538429-MSD1)				Sample: IG03878-01		Prepared: 07/23/25 Analyzed: 07/28/25			
Antimony	585	ug/L		555.6	ND	105	75-125	10	20
Arsenic	581	ug/L		555.6	2.04	104	75-125	0.3	20
Barium	680	ug/L		555.6	72.7	109	75-125	9	20
Beryllium	575	ug/L		555.6	ND	103	75-125	7	20
Boron	12100	ug/L	Q4	555.6	11800	59	75-125	2	20
Cadmium	547	ug/L		555.6	ND	98	75-125	0.3	20
Calcium	187	mg/L		5.556	181	109	75-125	0.2	20
Chromium	566	ug/L		555.6	ND	102	75-125	0.04	20
Cobalt	558	ug/L		555.6	1.04	100	75-125	1	20
Lead	619	ug/L		555.6	ND	111	75-125	9	20
Magnesium	90.1	mg/L		5.556	84.3	104	75-125	0.2	20
Mercury	62.5	ug/L		55.56	0.183	112	75-125	9	20
Molybdenum	552	ug/L		555.6	1.99	99	75-125	0.3	20
Potassium	6.27	mg/L		5.556	0.772	99	75-125	0.05	20
Selenium	549	ug/L		555.6	ND	99	75-125	0.8	20
Sodium	87.0	mg/L		5.556	81.9	93	75-125	0.9	20
Thallium	596	ug/L		555.6	ND	107	75-125	9	20
<u>Batch B538534 - No Prep - SM 2540 C-2011</u>									
Blank (B538534-BLK1)				Prepared & Analyzed: 07/24/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B538534-BS1)				Prepared & Analyzed: 07/24/25					
Solids - total dissolved solids (TDS)	940	mg/L		1000		94	84.5-105		
Duplicate (B538534-DUP1)				Sample: IG03878-01		Prepared & Analyzed: 07/24/25			
Solids - total dissolved solids (TDS)	1210	mg/L			1200			0.8	5
Duplicate (B538534-DUP2)				Sample: IG04159-01		Prepared & Analyzed: 07/24/25			
Solids - total dissolved solids (TDS)	875	mg/L			865			1	5

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B538556 - SW 3015 - EPA 6010B</u>									
Blank (B538556-BLK1)				Prepared: 07/24/25 Analyzed: 07/30/25					
Lithium	< 20	ug/L							
LCS (B538556-BS1)				Prepared: 07/24/25 Analyzed: 07/30/25					
Lithium	566	ug/L		555.6		102	80-120		
Matrix Spike (B538556-MS1)				Sample: IG04159-01		Prepared: 07/24/25 Analyzed: 07/30/25			
Lithium	568	ug/L		555.6	32.0	96	75-125		
Matrix Spike Dup (B538556-MSD1)				Sample: IG04159-01		Prepared: 07/24/25 Analyzed: 07/30/25			
Lithium	574	ug/L		555.6	32.0	98	75-125	1	20
<u>Batch B538556 - SW 3015 - EPA 6020A</u>									
Blank (B538556-BLK1)				Prepared: 07/24/25 Analyzed: 07/28/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							
Boron	< 10	ug/L							
Cadmium	< 1.0	ug/L							
Calcium	< 0.20	mg/L							
Chromium	< 4.0	ug/L							
Cobalt	< 2.0	ug/L							
Lead	< 1.0	ug/L							
Magnesium	< 0.10	mg/L							
Mercury	< 0.20	ug/L							
Molybdenum	< 1.0	ug/L							
Potassium	< 0.10	mg/L							
Selenium	< 1.0	ug/L							
Sodium	< 0.10	mg/L							
Thallium	< 1.0	ug/L							
LCS (B538556-BS1)				Prepared: 07/24/25 Analyzed: 07/28/25					
Antimony	533	ug/L		555.6		96	80-120		
Arsenic	557	ug/L		555.6		100	80-120		
Barium	549	ug/L		555.6		99	80-120		
Beryllium	546	ug/L		555.6		98	80-120		
Boron	513	ug/L		555.6		92	80-120		
Cadmium	551	ug/L		555.6		99	80-120		
Calcium	5.52	mg/L		5.556		99	80-120		
Chromium	583	ug/L		555.6		105	80-120		
Cobalt	579	ug/L		555.6		104	80-120		
Lead	590	ug/L		555.6		106	80-120		
Magnesium	6.07	mg/L		5.556		109	80-120		
Mercury	54.6	ug/L		55.56		98	80-120		
Molybdenum	536	ug/L		555.6		97	80-120		
Potassium	5.66	mg/L		5.556		102	80-120		
Selenium	549	ug/L		555.6		99	80-120		
Sodium	5.96	mg/L		5.556		107	80-120		
Thallium	568	ug/L		555.6		102	80-120		

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B538556-MS1)				Sample: IG04159-01		Prepared: 07/24/25 Analyzed: 07/28/25			
Antimony	524	ug/L	Q4	555.6	ND	94	75-125		
Arsenic	562	ug/L		555.6	ND	101	75-125		
Barium	1510	ug/L		555.6	1020	89	75-125		
Beryllium	541	ug/L		555.6	ND	97	75-125		
Boron	862	ug/L		555.6	340	94	75-125		
Cadmium	551	ug/L		555.6	ND	99	75-125		
Calcium	104	mg/L		5.556	100	72	75-125		
Chromium	566	ug/L		555.6	ND	102	75-125		
Cobalt	577	ug/L		555.6	1.27	104	75-125		
Lead	574	ug/L		555.6	0.306	103	75-125		
Magnesium	49.7	mg/L		5.556	44.4	97	75-125		
Mercury	56.1	ug/L		55.56	ND	101	75-125		
Molybdenum	550	ug/L		555.6	4.80	98	75-125		
Potassium	9.36	mg/L		5.556	4.21	93	75-125		
Selenium	549	ug/L		555.6	ND	99	75-125		
Sodium	200	mg/L		5.556	195	91	75-125		
Thallium	546	ug/L		555.6	ND	98	75-125		
Matrix Spike Dup (B538556-MSD1)				Sample: IG04159-01		Prepared: 07/24/25 Analyzed: 07/28/25			
Antimony	522	ug/L	Q4	555.6	ND	94	75-125	0.4	20
Arsenic	555	ug/L		555.6	ND	100	75-125	1	20
Barium	1520	ug/L		555.6	1020	91	75-125	0.9	20
Beryllium	533	ug/L		555.6	ND	96	75-125	1	20
Boron	841	ug/L		555.6	340	90	75-125	2	20
Cadmium	551	ug/L		555.6	ND	99	75-125	0.04	20
Calcium	104	mg/L		5.556	100	75	75-125	0.1	20
Chromium	571	ug/L		555.6	ND	103	75-125	0.8	20
Cobalt	572	ug/L		555.6	1.27	103	75-125	0.9	20
Lead	566	ug/L		555.6	0.306	102	75-125	1	20
Magnesium	50.2	mg/L		5.556	44.4	106	75-125	1	20
Mercury	56.0	ug/L		55.56	ND	101	75-125	0.1	20
Molybdenum	550	ug/L		555.6	4.80	98	75-125	0.02	20
Potassium	9.45	mg/L		5.556	4.21	94	75-125	0.9	20
Selenium	543	ug/L		555.6	ND	98	75-125	1	20
Sodium	200	mg/L		5.556	195	101	75-125	0.3	20
Thallium	540	ug/L		555.6	ND	97	75-125	1	20
<u>Batch B538799 - No Prep - SM 2540 C-2011</u>									
Blank (B538799-BLK1)				Prepared & Analyzed: 07/28/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B538799-BS1)				Prepared & Analyzed: 07/28/25					
Solids - total dissolved solids (TDS)	907	mg/L		1000		91	84.5-105		
Duplicate (B538799-DUP1)				Sample: IG04159-09 Prepared & Analyzed: 07/28/25					
Solids - total dissolved solids (TDS)	940	mg/L			925			2	5
Duplicate (B538799-DUP2)				Sample: IG04159-10 Prepared & Analyzed: 07/28/25					
Solids - total dissolved solids (TDS)	< 17	mg/L			ND				5

Batch B538844 - No Prep - SM 2320 B-2011

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B538844-BLK1)				Prepared & Analyzed: 07/28/25					
Alkalinity - bicarbonate as CaCO ₃	2.50	mg/L							
Alkalinity - carbonate as CaCO ₃	< 2.0	mg/L							
Duplicate (B538844-DUP1)				Sample: IG03237-01	Prepared & Analyzed: 07/28/25				
Alkalinity - bicarbonate as CaCO ₃	475	mg/L			475			0	10
Alkalinity - carbonate as CaCO ₃	< 10	mg/L			ND				10
Duplicate (B538844-DUP2)				Sample: IG03476-03	Prepared & Analyzed: 07/28/25				
Alkalinity - bicarbonate as CaCO ₃	412	mg/L			400			3	10
Alkalinity - carbonate as CaCO ₃	< 10	mg/L			ND				10
<u>Batch B538859 - SW 3015 - EPA 6010B</u>									
Blank (B538859-BLK1)				Prepared: 07/29/25 Analyzed: 07/30/25					
Lithium	< 20	ug/L							
LCS (B538859-BS1)				Prepared: 07/29/25 Analyzed: 07/30/25					
Lithium	563	ug/L		555.6		101	80-120		
Matrix Spike (B538859-MS1)				Sample: IG04858-01	Prepared: 07/29/25 Analyzed: 07/30/25				
Lithium	573	ug/L		555.6	12.7	101	75-125		
Matrix Spike Dup (B538859-MSD1)				Sample: IG04858-01	Prepared: 07/29/25 Analyzed: 07/30/25				
Lithium	574	ug/L		555.6	12.7	101	75-125	0.3	20
<u>Batch B538859 - SW 3015 - EPA 6020A</u>									
Blank (B538859-BLK1)				Prepared: 07/29/25 Analyzed: 07/31/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							
Boron	< 10	ug/L							
Cadmium	< 1.0	ug/L							
Calcium	< 0.20	mg/L							
Chromium	< 4.0	ug/L							
Cobalt	< 2.0	ug/L							
Lead	< 1.0	ug/L							
Magnesium	< 0.10	mg/L							
Mercury	< 0.20	ug/L							
Molybdenum	< 1.0	ug/L							
Potassium	< 0.10	mg/L							
Selenium	< 1.0	ug/L							
Sodium	< 0.10	mg/L							
Thallium	< 1.0	ug/L							
LCS (B538859-BS1)				Prepared: 07/29/25 Analyzed: 07/31/25					
Antimony	557	ug/L		555.6		100	80-120		
Arsenic	551	ug/L		555.6		99	80-120		
Barium	566	ug/L		555.6		102	80-120		
Beryllium	545	ug/L		555.6		98	80-120		
Boron	628	ug/L		555.6		113	80-120		
Cadmium	566	ug/L		555.6		102	80-120		
Calcium	5.58	mg/L		5.556		100	80-120		
Chromium	575	ug/L		555.6		104	80-120		

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B538859-BS1)				Prepared: 07/29/25 Analyzed: 07/31/25					
Cobalt	574	ug/L		555.6		103	80-120		
Lead	584	ug/L		555.6		105	80-120		
Magnesium	6.04	mg/L		5.556		109	80-120		
Mercury	56.0	ug/L		55.56		101	80-120		
Molybdenum	540	ug/L		555.6		97	80-120		
Potassium	5.49	mg/L		5.556		99	80-120		
Selenium	550	ug/L		555.6		99	80-120		
Sodium	5.60	mg/L		5.556		101	80-120		
Thallium	555	ug/L		555.6		100	80-120		
Matrix Spike (B538859-MS1)				Sample: IG04858-01		Prepared: 07/29/25 Analyzed: 07/31/25			
Antimony	541	ug/L		555.6	0.772	97	75-125		
Arsenic	569	ug/L		555.6	13.5	100	75-125		
Barium	947	ug/L		555.6	392	100	75-125		
Beryllium	547	ug/L		555.6	ND	99	75-125		
Cadmium	561	ug/L		555.6	ND	101	75-125		
Calcium	146	mg/L		5.556	142	78	75-125		
Chromium	579	ug/L		555.6	4.78	103	75-125		
Cobalt	564	ug/L		555.6	1.47	101	75-125		
Lead	575	ug/L		555.6	1.38	103	75-125		
Magnesium	63.5	mg/L		5.556	58.9	82	75-125		
Mercury	58.1	ug/L		55.56	ND	105	75-125		
Molybdenum	549	ug/L		555.6	1.45	98	75-125		
Potassium	7.39	mg/L		5.556	1.97	98	75-125		
Selenium	547	ug/L		555.6	ND	98	75-125		
Sodium	75.5	mg/L	Q4	5.556	71.5	71	75-125		
Thallium	546	ug/L		555.6	ND	98	75-125		
Matrix Spike Dup (B538859-MSD1)				Sample: IG04858-01		Prepared: 07/29/25 Analyzed: 07/31/25			
Antimony	539	ug/L		555.6	0.772	97	75-125	0.4	20
Arsenic	563	ug/L		555.6	13.5	99	75-125	1	20
Barium	939	ug/L		555.6	392	99	75-125	0.9	20
Beryllium	542	ug/L		555.6	ND	98	75-125	0.9	20
Cadmium	561	ug/L		555.6	ND	101	75-125	0.06	20
Calcium	146	mg/L	Q4	5.556	142	68	75-125	0.4	20
Chromium	576	ug/L		555.6	4.78	103	75-125	0.4	20
Cobalt	575	ug/L		555.6	1.47	103	75-125	2	20
Lead	573	ug/L		555.6	1.38	103	75-125	0.3	20
Magnesium	62.9	mg/L	Q4	5.556	58.9	71	75-125	1	20
Mercury	57.9	ug/L		55.56	ND	104	75-125	0.3	20
Molybdenum	548	ug/L		555.6	1.45	98	75-125	0.06	20
Potassium	7.39	mg/L		5.556	1.97	98	75-125	0.007	20
Selenium	548	ug/L		555.6	ND	99	75-125	0.3	20
Sodium	75.3	mg/L	Q4	5.556	71.5	68	75-125	0.3	20
Thallium	543	ug/L		555.6	ND	98	75-125	0.6	20
<u>Batch B538904 - No Prep - SM 2540 C-2011</u>									
Blank (B538904-BLK1)				Prepared & Analyzed: 07/29/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B538904-BS1)				Prepared & Analyzed: 07/29/25					
Solids - total dissolved solids (TDS)	917	mg/L		1000		92	84.5-105		
Duplicate (B538904-DUP1)				Sample: IG04858-01 Prepared & Analyzed: 07/29/25					
Solids - total dissolved solids (TDS)	595	mg/L			610			2	5
Duplicate (B538904-DUP2)				Sample: IG04858-02 Prepared & Analyzed: 07/29/25					
Solids - total dissolved solids (TDS)	895	mg/L			890			0.6	5
<u>Batch B539099 - No Prep - SM 2320 B-2011</u>									
Duplicate (B539099-DUP1)				Sample: IG04159-01 Prepared & Analyzed: 07/31/25					
Alkalinity - bicarbonate as CaCO ₃	812	mg/L			788			3	10
Alkalinity - carbonate as CaCO ₃	< 10	mg/L			ND				10
Duplicate (B539099-DUP2)				Sample: IG04159-09 Prepared & Analyzed: 07/31/25					
Alkalinity - bicarbonate as CaCO ₃	912	mg/L			838			9	10
Alkalinity - carbonate as CaCO ₃	< 10	mg/L			ND				10
<u>Batch B539123 - IC No Prep - EPA 300.0 REV 2.1</u>									
Blank (B539123-BLK1)				Prepared & Analyzed: 07/30/25					
Sulfate	< 1.0	mg/L							
Fluoride	< 0.250	mg/L							
Chloride	< 1.0	mg/L							
Calibration Blank (B539123-CCB1)				Prepared & Analyzed: 07/30/25					
Sulfate	0.0732	mg/L							
Chloride	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B539123-CCV1)				Prepared & Analyzed: 07/30/25					
Chloride	5.19	mg/L		5.000		104	90-110		
Sulfate	5.24	mg/L		5.000		105	90-110		
Fluoride	5.42	mg/L		5.000		108	90-110		
Matrix Spike (B539123-MS1)				Sample: IG03878-01 Prepared & Analyzed: 07/30/25					
Chloride	1.0E9	mg/L	Q4	1.500	67	NR	80-120		
Matrix Spike Dup (B539123-MSD1)				Sample: IG03878-01 Prepared & Analyzed: 07/30/25					
Chloride	1.0E9	mg/L	Q4	1.500	67	NR	80-120	0	20
<u>Batch B539234 - IC No Prep - EPA 300.0 REV 2.1</u>									
Blank (B539234-BLK1)				Prepared & Analyzed: 07/31/25					
Sulfate	< 1.0	mg/L							
Chloride	< 1.0	mg/L							
Calibration Blank (B539234-CCB1)				Prepared & Analyzed: 07/31/25					
Sulfate	0.00	mg/L							
Chloride	0.00	mg/L							
Calibration Check (B539234-CCV1)				Prepared & Analyzed: 07/31/25					
Chloride	4.87	mg/L		5.000		97	90-110		
Sulfate	4.85	mg/L		5.000		97	90-110		
Matrix Spike (B539234-MS3)				Sample: IG04159-01 Prepared & Analyzed: 07/31/25					
Chloride	1.0E9	mg/L	Q4	1.500	46	NR	80-120		
Sulfate	1.62	mg/L		1.500	0.249	91	80-120		
Matrix Spike (B539234-MS4)				Sample: IG04159-09 Prepared & Analyzed: 08/01/25					
Sulfate	1.20	mg/L		1.500	ND	80	80-120		

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B539234-MS4)				Sample: IG04159-09		Prepared & Analyzed: 08/01/25			
Chloride	1.0E9	mg/L	Q4	1.500	55	NR	80-120		
Matrix Spike Dup (B539234-MSD3)				Sample: IG04159-01		Prepared & Analyzed: 07/31/25			
Chloride	1.0E9	mg/L	Q4	1.500	46	NR	80-120	0	20
Sulfate	1.58	mg/L		1.500	0.249	89	80-120	3	20
Matrix Spike Dup (B539234-MSD4)				Sample: IG04159-09		Prepared & Analyzed: 08/01/25			
Chloride	1.0E9	mg/L	Q4	1.500	55	NR	80-120	0	20
Sulfate	1.21	mg/L		1.500	ND	81	80-120	0.8	20
<u>Batch B539298 - No Prep - SM 2320 B-2011</u>									
Duplicate (B539298-DUP2)				Sample: IG04858-01		Prepared & Analyzed: 08/04/25			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	675	mg/L			688			2	10
<u>Batch B539357 - No Prep - SM 4500-F C-2011</u>									
Calibration Blank (B539357-CCB1)				Prepared & Analyzed: 08/04/25					
Fluoride	0.0180	mg/L							
Calibration Check (B539357-CCV1)				Prepared & Analyzed: 08/04/25					
Fluoride	0.676	mg/L		0.7000		97	90-110		
Matrix Spike (B539357-MS1)				Sample: IG04771-01		Prepared & Analyzed: 08/04/25			
Fluoride	1.66	mg/L		1.000	0.588	107	80-120		
Matrix Spike (B539357-MS2)				Sample: IG04184-01		Prepared & Analyzed: 08/04/25			
Fluoride	1.98	mg/L		1.000	0.929	105	80-120		
Matrix Spike (B539357-MS3)				Sample: IG04159-05		Prepared & Analyzed: 08/04/25			
Fluoride	1.14	mg/L		1.000	ND	114	80-120		
Matrix Spike (B539357-MS4)				Sample: IG03878-08		Prepared & Analyzed: 08/04/25			
Fluoride	1.18	mg/L		1.000	ND	118	80-120		
Matrix Spike Dup (B539357-MSD1)				Sample: IG04771-01		Prepared & Analyzed: 08/04/25			
Fluoride	1.64	mg/L		1.000	0.588	105	80-120	1	20
Matrix Spike Dup (B539357-MSD2)				Sample: IG04184-01		Prepared & Analyzed: 08/04/25			
Fluoride	1.97	mg/L		1.000	0.929	104	80-120	0.7	20
Matrix Spike Dup (B539357-MSD3)				Sample: IG04159-05		Prepared & Analyzed: 08/04/25			
Fluoride	1.16	mg/L		1.000	ND	116	80-120	2	20
Matrix Spike Dup (B539357-MSD4)				Sample: IG03878-08		Prepared & Analyzed: 08/04/25			
Fluoride	1.17	mg/L		1.000	ND	117	80-120	0.7	20
<u>Batch B539559 - IC No Prep - EPA 300.0 REV 2.1</u>									
Blank (B539559-BLK1)				Prepared & Analyzed: 08/05/25					
Chloride	< 1.0	mg/L							
Sulfate	< 1.0	mg/L							
Calibration Blank (B539559-CCB1)				Prepared & Analyzed: 08/05/25					
Chloride	0.00	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B539559-CCV1)				Prepared & Analyzed: 08/05/25					
Chloride	4.88	mg/L		5.000		98	90-110		
Sulfate	4.78	mg/L		5.000		96	90-110		
<u>Batch B539596 - No Prep - SM 4500-F C-2011</u>									

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Blank (B539596-CCB1)				Prepared & Analyzed: 08/06/25					
Fluoride	0.0140	mg/L							
Calibration Check (B539596-CCV1)				Prepared & Analyzed: 08/06/25					
Fluoride	0.682	mg/L		0.7000		97	90-110		
Matrix Spike (B539596-MS1)				Prepared & Analyzed: 08/06/25					
Fluoride	1.67	mg/L		1.000	0.637	103	80-120		
Matrix Spike (B539596-MS2)				Prepared & Analyzed: 08/06/25					
Fluoride	1.35	mg/L		1.000	0.403	95	80-120		
Matrix Spike (B539596-MS3)				Prepared & Analyzed: 08/06/25					
Fluoride	1.50	mg/L		1.000	0.536	97	80-120		
Matrix Spike (B539596-MS4)				Prepared & Analyzed: 08/06/25					
Fluoride	1.33	mg/L		1.000	0.384	95	80-120		
Matrix Spike (B539596-MS5)				Prepared & Analyzed: 08/06/25					
Fluoride	1.73	mg/L		1.000	0.792	94	80-120		
Matrix Spike (B539596-MS6)				Prepared & Analyzed: 08/06/25					
Fluoride	1.72	mg/L		1.000	0.714	101	80-120		
Matrix Spike (B539596-MS7)				Prepared & Analyzed: 08/06/25					
Fluoride	1.73	mg/L		1.000	0.719	101	80-120		
Matrix Spike (B539596-MS8)				Prepared & Analyzed: 08/06/25					
Fluoride	1.66	mg/L		1.000	0.725	94	80-120		
Matrix Spike Dup (B539596-MSD1)				Prepared & Analyzed: 08/06/25					
Fluoride	1.62	mg/L		1.000	0.637	98	80-120	3	20
Matrix Spike Dup (B539596-MSD2)				Prepared & Analyzed: 08/06/25					
Fluoride	1.40	mg/L		1.000	0.403	100	80-120	4	20
Matrix Spike Dup (B539596-MSD3)				Prepared & Analyzed: 08/06/25					
Fluoride	1.46	mg/L		1.000	0.536	93	80-120	3	20
Matrix Spike Dup (B539596-MSD4)				Prepared & Analyzed: 08/06/25					
Fluoride	1.35	mg/L		1.000	0.384	96	80-120	1	20
Matrix Spike Dup (B539596-MSD5)				Prepared & Analyzed: 08/06/25					
Fluoride	1.79	mg/L		1.000	0.792	99	80-120	3	20
Matrix Spike Dup (B539596-MSD6)				Prepared & Analyzed: 08/06/25					
Fluoride	1.66	mg/L		1.000	0.714	95	80-120	4	20
Matrix Spike Dup (B539596-MSD7)				Prepared & Analyzed: 08/06/25					
Fluoride	1.67	mg/L		1.000	0.719	95	80-120	3	20
Matrix Spike Dup (B539596-MSD8)				Prepared & Analyzed: 08/06/25					
Fluoride	1.71	mg/L		1.000	0.725	99	80-120	3	20
<u>Batch B539690 - IC No Prep - EPA 300.0 REV 2.1</u>									
Blank (B539690-BLK1)				Prepared & Analyzed: 08/06/25					
Chloride	< 1.0	mg/L							
Sulfate	< 1.0	mg/L							
Calibration Blank (B539690-CCB1)				Prepared & Analyzed: 08/06/25					
Sulfate	0.00	mg/L							
Chloride	0.00	mg/L							
Calibration Check (B539690-CCV1)				Prepared & Analyzed: 08/06/25					
Chloride	5.25	mg/L		5.000		105	90-110		
Sulfate	5.14	mg/L		5.000		103	90-110		
Matrix Spike (B539690-MS1)				Prepared & Analyzed: 08/06/25					

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B539690-MS1)									
Sample: IG04584-01				Prepared & Analyzed: 08/06/25					
Chloride	3.2	mg/L	Q1	1.500	1.4	122	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	19.7	NR	80-120		
Matrix Spike (B539690-MS2)									
Sample: IG04584-02				Prepared & Analyzed: 08/06/25					
Sulfate	1.00E9	mg/L	Q4	1.500	43.5	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	11	NR	80-120		
Matrix Spike (B539690-MS3)									
Sample: IG04858-01				Prepared & Analyzed: 08/06/25					
Sulfate	1.86	mg/L		1.500	0.428	95	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	16	NR	80-120		
Matrix Spike Dup (B539690-MSD1)									
Sample: IG04584-01				Prepared & Analyzed: 08/06/25					
Sulfate	1.00E9	mg/L	Q4	1.500	19.7	NR	80-120	0	20
Chloride	3.1	mg/L		1.500	1.4	109	80-120	6	20
Matrix Spike Dup (B539690-MSD2)									
Sample: IG04584-02				Prepared & Analyzed: 08/06/25					
Chloride	1.0E9	mg/L	Q4	1.500	11	NR	80-120	0	20
Sulfate	1.00E9	mg/L	Q4	1.500	43.5	NR	80-120	0	20
Matrix Spike Dup (B539690-MSD3)									
Sample: IG04858-01				Prepared & Analyzed: 08/06/25					
Chloride	1.0E9	mg/L	Q4	1.500	16	NR	80-120	0	20
Sulfate	1.83	mg/L		1.500	0.428	93	80-120	2	20

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.



Certified by: Diane Billings, Project Manager



1603878

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: Visira Corp-Edwards Address: 7800 Cilco Lane Peoria, IL 61607 Email To: Brian.Voelker@VisiraCorp.com Phone: (217) 753-8911 Fax: Requested Due Date/TAT: 10 day		Section B Required Project Information: Report To: Brian Voelker Copy To: Mark Davis: Mark.Davis1@visiracorp.com Purchase Order No.: Project Name: Project Number:		Section C Invoice Information: Attention: Brian Voelker Company Name: Visira Corp Address: see Section A Order Reference: Project Manager: Profile #		REGULATORY AGENCY NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER ☐ Site Location: IL STATE:	
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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRAWING WATER DW WATER WW WASTE WATER WW PRECIPITATE P SOIL/SOILS S SLUDGE SL WASTE W WIRE W OTHER OT TSS TS	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S									
2	AP07S									
3	AW-01									
4	AW-05									
5	AW-06									
6	AW-08									
7	AW-09									
8	AW-10									
9	AW-11									
10	AW-14									
11	AW-15									
12	AW-15S									
13	AW-16									
14	AW-17									
15	AW-18									
16	AW-19									
ADDITIONAL COMMENTS EDW-25Q3 Rev 0										
RELINQUISHED BY / AFFILIATION Andy Wateska										
DATE 07/21/25										
TIME 16:32										
ACCEPTED BY / AFFILIATION 										
DATE 07/21/25										
TIME 16:32										
SAMPLE CONDITIONS Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)										

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information

Company	Vistra Corp Edwards
Address	7800 Cicco Lane Peoria, IL 61607
Phone	(217) 753-8911
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To	Brian Voelker
Copy To	Mark Davis: Mark.Davis@vistracorp.com
Purchase Order No.	
Project Name	
Project Number	

Section C Invoice Information

Attention	Brian Voelker
Company Name	Vistra Corp
Address	see Section A
Grade	
Reference	
Project	
Manager	
Profile #	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location
STATE: IL

ITEM #	Valid Matrix Codes (see valid codes to left)	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)				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	EDW-257-301	EDW-845-301			
1	AW-21	AW-21	G	07/21/25	14:35		1	X	X	X	X	X	X	X	X	X	X				
2	SG-01																				
3	XPW01A																				
4	XPW02																				
5	XPW03																				
6	Field Blank																				
7	AW-05	AW-05	G	07/21/25	14:10		1	X	X	X	X	X	X	X	X	X					
8	AW-14	AW-14	G	07/21/25	16:00		1	X	X	X	X	X	X	X	X	X					
9	AW-21	AW-21	G	07/21/25	14:35		1	X	X	X	X	X	X	X	X	X					
10																					
11																					
12																					
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	EDW-25Q3 Rev 0
RELINQUISHED BY / AFFILIATION	DATE
DATE	TIME
ACCEPTED BY / AFFILIATION	DATE
DATE	TIME
SAMPLER NAME AND SIGNATURE	DATE Signed (MM/DD/YYYY)
PRINT Name of SAMPLER	7/21/25 16:32
SIGNATURE of SAMPLER	7/21/25

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

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company	Vistra Corp-Edwards	Report To	Brian Voelker	Attention	Brian Voelker
Address	7800 Clico Lane Peoria, IL 61607	Copy To	Matt Davis, Mark Davis 1@vistracorp.com	Company Name	Vistra Corp
Email To	Brian.Voelker@VistraCorp.com	Purchase Order No.		Address	see Section A
Phone	(217) 753-8911	Project Name		Quote Reference	
Requested Due Date/AT	10 day	Project Number		Project Manager	

Section D Required Client Information		Valid Matrix Codes		COLLECTED		PRESERVED		ANALYSIS TEST		Requested Analysis Filtered (Y/N)						
ITEM #	SAMPLE ID (A-Z, 0-9 / -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	
1	AP055			07/22/25	13:57	4	X	X	X							
2	AP07S			07/22/25	15:18	4	X	X	X							
3	AW-01			07/22/25	13:46	4	X	X								
4	AW-05															
5	AW-06															
6	AW-08															
7	AW-09			07/22/25	13:50	4	X	X	X							
8	AW-10			07/22/25	15:33	4	X	X	X							
9	AW-11															
10	AW-14															
11	AW-15			07/22/25	10:10	4	X	X	X							
12	AW-15S			07/22/25	11:17	4	X	X	X							
13	AW-16			07/22/25	13:33	4	X	X	X							
14	AW-17			07/22/25	11:30	4	X	X	X							
15	AW-18															
16	AW-19															

SAMPLER NAME AND SIGNATURE		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
Andy White		07/22/25		10:15		Bryan Edwards		7/22/25		16:15			
PRINT Name of SAMPLER:		DATE Signed											
SIGNATURE of SAMPLER:		(MM/DD/YYYY)											

REGULATORY AGENCY	
NPDES	GROUND WATER
UST	RCRA
OTHER	OTHER

Requested Analysis Filtered (Y/N)	
EDW-257-301	
EDW-845-301	

Residual Chlorine (Y/N)	
Project No./ Lab I.D.	

Section A Required Client Information								Section B Required Project Information						Section C Invoice Information									
Company		Vistra Corp-Edwards						Report To		Brian Voelker				Attention		Brian Voelker							
Address		7800 Chico Lane Peoria, IL 61607						Copy To		Mark Davis, Mark.Davis1@vistracorp.com				Company Name		Vistra Corp							
Email To		Brian.Voelker@VistraCorp.com						Purchase Order No.						Address		see Section A							
Phone		(217) 753-8911		Fax				Project Name						Date Received		Distance		Mileage		Trailer #			
Requested Due Date/AT:		10 day						Project Number															
REGULATORY AGENCY																							
NPDES GROUND WATER DRINKING WATER																							
UST RCRA OTHER																							
Site Location STATE: IL																							

ITEM #		Valid Matrix Codes MATRIX CODES: SPRINKLER WATER SWW WASTE WATER WWI PRODUCED WWT SEWERAGE SCA CITY STREET CS STORM SEWER SS OTHER AS CT TR TRENCH TT									
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		MATRIX CODE (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP)									
DATE		TIME		SAMPLE TEMP AT COLLECTION							
# OF CONTAINERS		Preservatives								Y/N	
Unpreserved											
H ₂ SO ₄											
HNO ₃											
HCl											
NaOH											
Na ₂ S ₂ O ₃											
Methanol											
Other											
Analysis Test											
EDW-257-301											
EDW-845-301											
Residual Chlorine (Y/N)											
PROJECT NO./ LAB I.D.											

REMOVED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
EDW-25Q3 Rev 0		07/23/25		16:15		Debra J. Edwards		7/23/25		16:15		Temp in °C _____ Received on Ice(Y/N) _____ Custody Sealed Cooler (Y/N) _____ Samples Intact (Y/N) _____	
SIGNATURE OF SAMPLER: Debra J. Edwards		DATE SIGNED: 7/23/25		INITIALS: DJE		DATE RECEIVED: 7/23/25		TIME RECEIVED: 16:15		LABORATORY: IL EPA REGIONAL OFFICE		ANALYST: [Signature]	

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Vistra Corp. Edwards Work Order #: _____

Completed by / Date: SL 7/22/25

Custody seal on cooler/box present and seal intact:	☐ Yes ☒ No ☐ N/A	
Chain of Custody (CoC) Present:	☒ Yes ☐ No	
CoC is Legible:	☒ Yes ☐ No	
Sampler Name Present on CoC:	☒ Yes ☐ No	
Sampler Signature Present on CoC:	☒ Yes ☐ No	
Sample Collection Date Present on CoC:	☒ Yes ☐ No	
Sample Collection Time Present on CoC:	☒ Yes ☐ No	
CoC Relinquished by Client:	☒ Yes ☐ No	
Unique Sample ID's Present on CoC:	☒ Yes ☐ No	
CoC and Sample Container Labels Match:	☒ Yes ☐ No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☒ Yes ☐ No ☐ N/A ☒ Wet ☐ Blue	
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☒ Yes ☐ No ☐ N/A	
Container(s) Received Intact:	☒ Yes ☐ No	
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No	
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No	
Sufficient Sample Volume Received:	☒ Yes ☐ No	
USDA Regulated Soil:		
Country of Origin: _____	☐ Yes ☐ No ☒ N/A	
State of Origin: _____		
Trip Blank(s) Received:	☐ Yes ☐ No ☒ N/A	
If present, are they Listed on CoC:	☐ Yes ☐ No	
VOA vials are free of any headspace larger than pea sized bubble ($>6\text{mm}$) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A	
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No	
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No	

Client Notification/ Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information

Company: **Visira Corp-Edwards**
Address: **7800 Chon Lane**
Pocahontas, IL 61607
Email To: **Brian.Vonker@VisiraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Date/Deliver AT: **10 day**

Section B Required Project Information

Report To: **Brian Vonker**
Order To: **Mary Davis Mary Davis@visiracorp.com**
Purchase Order No:
Project Name:
Project Number:

Section C Source Information

Attention: **Brian Vonker**
Company Name: **Visira Corp**
Address: **see Section A**
Date Received:
Project Manager:
Project #:

REGULATORY AGENCY

NPDES: **GROUND WATER** **DRINKING WATER**
UST **RCRA** **OTHER**

Site Location: **IL**
STATE: **IL**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE (see valid codes to left)		COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		PRESERVATIVES								Analysis Test		Residual Chlorine (Y/N)		Project No./ Lab I.D.											
Sample ID (A-Z, 0-9 / -) Sample ID# MUST BE UNIQUE		MATRIX CODE		SAMPLE TYPE (G=GRAB C=COMP)		DATE		TIME		Unpreserved		H ₂ SO ₄		HNO ₃		HCl		NaOH		Na ₂ S ₂ O ₃		Methanol		Other		EDW-257-301		EDW-845-301		Residual Chlorine (Y/N)		Project No./ Lab I.D.	
1	AP05S																																
2	AP07S																																
3	AW-01																																
4	AW-05																																
5	AW-06																																
6	AW-08																																
7	AW-09																																
8	AW-10																																
9	AW-11																																
10	AW-14																																
11	AW-15																																
12	AW-15S																																
13	AW-16																																
14	AW-17																																
15	AW-18																																
16	AW-19																																
ADDITIONAL COMMENTS		RECEIVED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																			
EDW-2503 Rev 0		Edy Patton		07/25/25		12:24		Edy Patton		7/25/25		17:24																					

EDW-2503 Rev 0

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE: **Andy Williams**
PRINT Name of SAMPLER: **Andy Williams**
SIGNATURE of SAMPLER: **Andy Williams**
DATE Signed (mm/dd/yyyy): **07/25/25**
Temp in °C: **18.24**
Received on Ice (Y/N):
Custody Sealed Cooler (Y/N):
Samples Intact (Y/N):

$$\begin{array}{r} 1604859 \\ \hline 1604859 \end{array}$$

ENV-FRM-PEOR-0098 v05 Sample Condition Upon Receipt

Client Name: Vistra Corp. Edwards Work Order #: 1G04838 Completed by / Date: 82 7/25/25

Custody seal on cooler/box present and seal intact:	☐ Yes ☐ No ☒ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☐ Yes ☒ No
Sampler Signature Present on CoC:	☐ Yes ☒ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☐ Yes ☒ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☒ Yes ☐ No ☐ N/A ☒ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☒ Yes ☐ No ☐ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil:	
Country of Origin: _____	☐ Yes ☐ No ☒ N/A
State of Origin: _____	
Trip Blank(s) Received:	☐ Yes ☐ No ☒ N/A
If present, are they Listed on CoC:	☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble (>6mm) - Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No

Client Notification/ Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

WORK ORDER #: IG04838 INITIALS: JP

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1	1								
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss	1	1								
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total	1	1								
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO ₃	1	1								
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
	Amber Glass Bottles - Vials									
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
	Clear Glass Bottles - Soil/Sludge Jars - Vials									
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
	Client Supplied									
Description										

WORK ORDER #: _____ INITIALS: SL

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1									
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss	1									
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total	1									
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO ₃	1									
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
	Amber Glass Bottles - Vials									
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
	Clear Glass Bottles - Soil/Sludge Jars - Vials									
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
	Client Supplied									
Description										



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

August 26, 2025

Brian Voelker
Vistra - Edwards
604 Pierce Boulevard
O'Fallon, IL 62269

Dear Brian Voelker:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

A handwritten signature in cursive script, appearing to read "Diane Billings".

Diane Billings
Project Manager

ANALYTICAL RESULTS

Sample: IG03892-01
Name: AW-05
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.252 U	pCi/L			1	1.15	08/08/25 18:50	PACE	904.0 903.0
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Sample: IG03892-02
Name: AW-06
Matrix: Ground Water - Grab

Sampled: 07/21/25 15:35
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.549 J	pCi/L			1	0.929	08/08/25 18:50	PACE	904.0 903.0
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Sample: IG03892-03
Name: AW-14
Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	4.16	pCi/L			1	1.22	08/08/25 18:51	PACE	904.0 903.0
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Sample: IG03892-04
Name: AW-18
Matrix: Ground Water - Grab

Sampled: 07/21/25 15:33
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	3.84	pCi/L			1	1.14	08/08/25 18:50	PACE	904.0 903.0
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ANALYTICAL RESULTS

Sample: IG03892-05
Name: AW-19
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:06
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.0469 U	pCi/L			1	2.13	08/08/25 18:50	PACE	904.0 903.0
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Sample: IG03892-06
Name: AW-21
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	1.11 J	pCi/L			1	1.51	08/09/25 01:35	PACE	904.0 903.0
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Sample: IG03892-07
Name: AW-05 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:10
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.789 J	pCi/L			1	0.937	08/09/25 01:35	PACE	904.0 903.0
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Sample: IG03892-08
Name: AW-14 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 16:00
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	4.7	pCi/L			1	1.78	08/09/25 01:35	PACE	904.0 903.0
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ANALYTICAL RESULTS

Sample: IG03892-09
Name: AW-21 DUP
Matrix: Ground Water - Grab

Sampled: 07/21/25 14:25
Received: 07/21/25 16:32
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	1.11 J	pCi/L			1	1.44	08/09/25 01:35	PACE	904.0 903.0
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Sample: IG04160-01
Name: AP05S
Matrix: Ground Water - Grab

Sampled: 07/22/25 13:57
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	2.08	pCi/L			1	1.25	08/19/25 22:00	PACE	904.0 903.0
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Sample: IG04160-02
Name: AP07S
Matrix: Ground Water - Grab

Sampled: 07/22/25 15:12
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.811 J	pCi/L			1	1.12	08/20/25 02:56	PACE	904.0 903.0
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Sample: IG04160-03
Name: AW-01
Matrix: Ground Water - Grab

Sampled: 07/22/25 12:46
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	1.51 J	pCi/L			1	1.61	08/25/25 16:13	PACE	904.0 903.0
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ANALYTICAL RESULTS

Sample: IG04160-04
Name: AW-09
Matrix: Ground Water - Grab

Sampled: 07/22/25 13:50
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.930 J	pCi/L			1	1.32	08/20/25 02:56	PACE	904.0 903.0
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Sample: IG04160-05
Name: AW-10
Matrix: Ground Water - Grab

Sampled: 07/22/25 15:22
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	4.66	pCi/L			1	1.61	08/20/25 02:56	PACE	904.0 903.0
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Sample: IG04160-06
Name: AW-15
Matrix: Ground Water - Grab

Sampled: 07/22/25 10:10
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	6.85	pCi/L			1	1.13	08/20/25 18:30	PACE	904.0 903.0
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Sample: IG04160-07
Name: AW-15S
Matrix: Ground Water - Grab

Sampled: 07/22/25 11:17
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	1.03 J	pCi/L			1	1.35	08/20/25 18:30	PACE	904.0 903.0
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ANALYTICAL RESULTS

Sample: IG04160-08
Name: AW-16
Matrix: Ground Water - Grab

Sampled: 07/22/25 12:33
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	4.39	pCi/L			1	1.01	08/20/25 18:30	PACE	904.0 903.0
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Sample: IG04160-09
Name: AW-17
Matrix: Ground Water - Grab

Sampled: 07/22/25 11:20
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	2.01	pCi/L			1	0.935	08/20/25 18:30	PACE	904.0 903.0
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Sample: IG04160-10
Name: FIELD BLANK
Matrix: DI Water - Field Blank

Sampled: 07/22/25 15:33
Received: 07/22/25 16:15
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.518 U	pCi/L			1	1.3	08/20/25 18:30	PACE	904.0 903.0
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Sample: IG04859-01
Name: AW-08
Matrix: Ground Water - Grab

Sampled: 07/25/25 09:12
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	3.81	pCi/L			1	2.45	08/13/25 20:02	PACE	904.0 903.0
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ANALYTICAL RESULTS

Sample: IG04859-02
Name: AW-11
Matrix: Ground Water - Grab

Sampled: 07/25/25 10:25
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	1.91	pCi/L			1	0.985	08/13/25 20:02	PACE	904.0 903.0
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Sample: IG04859-03
Name: EB #1
Matrix: DI Water - Equipment Blank

Sampled: 07/25/25 09:20
Received: 07/25/25 12:24
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Miscellaneous - Pace Analytical - Mt Juliet, Tn

Rad 226 and 228-Subcontract	0.982	pCi/L			1	0.926	08/13/25 20:02	PACE	904.0 903.0
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NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

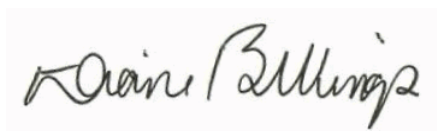
STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Diane Billings, Project Manager



ANALYTICAL REPORT

August 11, 2025

Pace IR - Peoria, IL

Sample Delivery Group: L1881624
Samples Received: 07/24/2025
Project Number: IG03892
Description:

Report To: Diane Billings
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:



Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

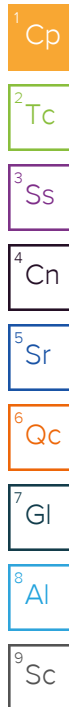


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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

AW-05 L1881624-01

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 14:10

07/24/25 09:00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AW-06 L1881624-02

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 15:35

07/24/25 09:00

AW-14 L1881624-03

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2573724	1	08/06/25 11:21	08/08/25 18:51	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2573724	1	08/06/25 11:21	08/08/25 18:51	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 16:00

07/24/25 09:00

AW-18 L1881624-04

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 15:33

07/24/25 09:00

AW-19 L1881624-05

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2573724	1	08/06/25 11:21	08/08/25 18:50	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 14:06

07/24/25 09:00

AW-21 L1881624-06

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

07/21/25 14:25

07/24/25 09:00

SAMPLE SUMMARY

AW-05 DUP L1881624-07

Collected by

Collected date/time

Received date/time

07/21/25 14:10

07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AW-14 DUP L1881624-08

Collected by

Collected date/time

Received date/time

07/21/25 16:00

07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN

AW-21 DUP L1881624-09

Collected by

Collected date/time

Received date/time

07/21/25 14:25

07/24/25 09:00

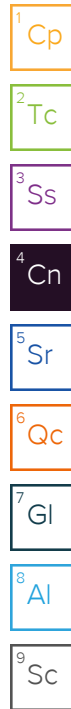
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570124	1	07/31/25 10:28	08/06/25 12:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2574862	1	08/07/25 12:39	08/09/25 01:35	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Ashley N Pullium
Project Manager



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.252	<u>U</u>	0.636	0.659	1.10	0.348	08/06/2025 12:43	WG2570124
(T) Barium	78.1					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	93.6					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.252	<u>U</u>	0.655	1.15	08/08/2025 18:50	WG2573724

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.000	<u>U</u>	0.156	0.156	0.323	0.102	08/08/2025 18:50	WG2573724
(T) Barium-133	94.0					30.0-143	08/08/2025 18:50	WG2573724

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.508	J	0.515	0.548	0.859	0.270	08/06/2025 12:43	WG2570124
(T) Barium	102					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	88.0					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.549	J	0.545	0.929	08/08/2025 18:50	WG2573724

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0408	U	0.179	0.238	0.354	0.101	08/08/2025 18:50	WG2573724
(T) Barium-133	69.7					30.0-143	08/08/2025 18:50	WG2573724

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.79		0.744	0.823	1.04	0.328	08/06/2025 12:43	WG2570124
(T) Barium	113					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	78.5					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	4.16		1.01	1.22	08/08/2025 18:51	WG2573724

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	1.37		0.681	1.04	0.641	0.221	08/08/2025 18:51	WG2573724
(T) Barium-133	56.0					30.0-143	08/08/2025 18:51	WG2573724

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	3.11		0.758	0.840	1.08	0.345	08/06/2025 12:43	WG2570124
(T) Barium	105					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	95.0					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	3.84		0.871	1.14	08/08/2025 18:50	WG2573724

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.736		0.429	0.682	0.374	0.102	08/08/2025 18:50	WG2573724
(T) Barium-133	60.0					30.0-143	08/08/2025 18:50	WG2573724

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.0124	U	1.21	1.21	2.12	0.676	08/06/2025 12:43	WG2570124
(T) Barium	66.4					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	71.5					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.0469	U	1.22	2.13	08/08/2025 18:50	WG2573724

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0469	U	0.128	0.188	0.243	0.0632	08/08/2025 18:50	WG2573724
(T) Barium-133	80.4					30.0-143	08/08/2025 18:50	WG2573724

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.994	J	0.905	0.951	1.50	0.479	08/06/2025 12:43	WG2570124
(T) Barium	75.1					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	85.3					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.11	J	0.916	1.51	08/09/2025 01:35	WG2574862

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.116	J	0.143	0.242	0.197	0.0476	08/09/2025 01:35	WG2574862
(T) Barium-133	94.8					30.0-143	08/09/2025 01:35	WG2574862

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.659	J	0.560	0.598	0.924	0.291	08/06/2025 12:43	WG2570124
(T) Barium	142					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	84.6					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.789	J	0.577	0.937	08/09/2025 01:35	WG2574862

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.130	J	0.138	0.242	0.158	0.0277	08/09/2025 01:35	WG2574862
(T) Barium-133	94.5					30.0-143	08/09/2025 01:35	WG2574862

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	4.14		1.23	1.33	1.76	0.554	08/06/2025 12:43	WG2570124
(T) Barium	42.2					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	98.8					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	4.70		1.27	1.78	08/09/2025 01:35	WG2574862

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.560		0.320	0.537	0.282	0.0803	08/09/2025 01:35	WG2574862
(T) Barium-133	93.7					30.0-143	08/09/2025 01:35	WG2574862

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.06	J	0.863	0.912	1.42	0.445	08/06/2025 12:43	WG2570124
(T) Barium	60.1					30.0-143	08/06/2025 12:43	WG2570124
(T) Yttrium	89.7					30.0-136	08/06/2025 12:43	WG2570124

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.11	J	0.870	1.44	08/09/2025 01:35	WG2574862

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0503	U	0.113	0.177	0.208	0.0503	08/09/2025 01:35	WG2574862
(T) Barium-133	97.5					30.0-143	08/09/2025 01:35	WG2574862

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4255645-1 08/06/25 12:43

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.0394	<u>U</u>	0.319	0.559	0.178
(T) Barium	112		112		
(T) Yttrium	83.1		83.1		

L1881624-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1881624-09 08/06/25 12:43 • (DUP) R4255645-5 08/06/25 12:43

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.06	0.863	1.42	0.445	0.839	0.804	1.34	0.430	23.5	0.190	<u>J</u>	20	3
(T) Barium	60.1				91.5	91.5							
(T) Yttrium	89.7				90.6	90.6							

Laboratory Control Sample (LCS)

(LCS) R4255645-2 08/06/25 12:43

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.99	120	80.0-120	
(T) Barium			109		
(T) Yttrium			102		

L1881624-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1881624-01 08/06/25 12:43 • (MS) R4255645-3 08/06/25 12:43 • (MSD) R4255645-4 08/06/25 12:43

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.252	11.6	10.6	113	103	1	70.0-130			9.39		20
(T) Barium		78.1			74.1	80.1							
(T) Yttrium		93.6			95.9	92.8							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4256277-1 08/08/25 18:50

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.00331	<u>U</u>	0.0633	0.130	0.0402
(T) Barium-133	59.3		59.3		

L1881624-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1881624-02 08/08/25 18:50 • (DUP) R4256277-5 08/08/25 18:50

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.0408	0.179	0.354	0.101	-0.198	0.224	0.610	0.207	200	0.833	<u>U</u>	20	3
(T) Barium-133	69.7				65.2	65.2							

Laboratory Control Sample (LCS)

(LCS) R4256277-2 08/08/25 18:50

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.87	97.3	80.0-120	
(T) Barium-133			70.3		

L1884613-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884613-22 08/08/25 18:50 • (MS) R4256277-3 08/08/25 18:50 • (MSD) R4256277-4 08/08/25 18:50

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.197	17.0	17.2	84.2	85.2	1	75.0-125			1.17		20
(T) Barium-133		79.0			72.9	83.5							

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4256814-1 08/09/25 01:35

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0223	<u>U</u>	0.0388	0.0631	0.0164
(T) Barium-133	102		102		

L1884611-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1884611-19 08/09/25 01:35 • (DUP) R4256814-5 08/09/25 01:35

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.123	0.154	0.203	0.0355	0.115	0.199	0.311	0.0981	6.72	0.0318	<u>J</u>	20	3
(T) Barium-133	73.2				97.8	97.8							

Laboratory Control Sample (LCS)

(LCS) R4256814-2 08/09/25 01:35

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.97	99.4	80.0-120	
(T) Barium-133			102		

L1884611-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884611-23 08/09/25 01:35 • (MS) R4256814-3 08/09/25 01:35 • (MSD) R4256814-4 08/09/25 01:35

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.0865	18.5	20.4	91.8	101	1	75.0-125			9.94		20
(T) Barium-133		95.1			95.6	97.0							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

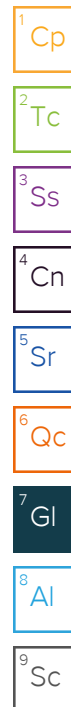
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Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

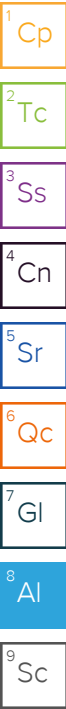
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC

K150

IG03892

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

61881624

Sample: IG03892-01
Name: AW-05

Sampled: 07/21/25 14:10
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 14:10	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

-02

Sample: IG03892-02
Name: AW-06

Sampled: 07/21/25 15:35
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 15:35	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG03892-03
Name: AW-14

Sampled: 07/21/25 16:00
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 16:00	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG03892-04
Name: AW-18

Sampled: 07/21/25 15:33
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 15:33	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N ☐ N/A If Applicable
COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☐ Y ☒ N
Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N Condition: ☒ NCF ☐ OK
RA Screen <0.5 mR/hr: ☒ Y ☐ N
Count = 9

SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
IG03892

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

61881624

Sample: IG03892-05
Name: AW-19

Sampled: 07/21/25 14:06
Matrix: Ground Water
Preservative: HNO3, pH <2

-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 14:06	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG03892-06
Name: AW-21

Sampled: 07/21/25 14:25
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 14:25	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG03892-07
Name: AW-05 DUP

Sampled: 07/21/25 14:10
Matrix: Ground Water
Preservative: HNO3, pH <2

-07

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 14:10	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG03892-08
Name: AW-14 DUP

Sampled: 07/21/25 16:00
Matrix: Ground Water
Preservative: HNO3, pH <2

-08

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 16:00	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
IG03892

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

U981024

Sample: IG03892-09
Name: AW-21 DUP

Sampled: 07/21/25 14:25
Matrix: Ground Water
Preservative: HNO3, pH <2

09

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/01/25 16:00	01/17/26 14:25	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 7/23/25 Total # of Containers: 9 Sample Origin (State): IL PO #:
Turn-Around Time Requested: ☐ NORMAL ☐ RUSH Date Results Needed:

Relinquished By		Date/Time		Received By		Date/Time		Sample Temperature Upon Receipt	____ °C
<u>[Signature]</u>		<u>7/23/25 11:52</u>		<u>Heather Gunn</u>		<u>7/24/25 9:03am</u>		Sample(s) Received on Ice	Y or <u>N</u>
								Proper Bottles Received In Good Condition	Y or N
								Bottles Filled with Adequate Volume	Y or N
								Samples Received Within Hold Time	Y or N
								Date/Time Taken From Sample Bottle	Y or N

Multiple Parcel Form

L#

C881624

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
8830 0594 9727	TLA9	Amb			Yes / No / Not Present
8830 0594 9738	TLA9	Amb			Yes / No / Not Present
8830 0594 9749	TLA9	Amb			Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Stewart Danner

Name

7/24/25 given

Date

ANALYTICAL REPORT

August 26, 2025

Pace IR - Peoria, IL

Sample Delivery Group: L1882191
Samples Received: 07/24/2025
Project Number: IG04160
Description:

Report To: Diane Billings
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:



Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

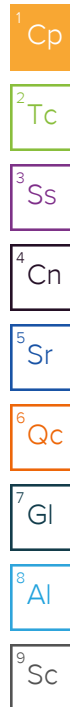
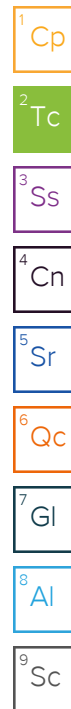


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SAMPLE SUMMARY

IG04160-01 L1882191-01

Collected by
Collected date/time
07/22/25 13:57
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2575799	1	08/08/25 12:53	08/13/25 16:21	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2581876	1	08/18/25 15:27	08/19/25 22:00	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2581876	1	08/18/25 15:27	08/19/25 22:00	RGT	Mt. Juliet, TN

IG04160-02 L1882191-02

Collected by
Collected date/time
07/22/25 15:12
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2575799	1	08/08/25 12:53	08/13/25 16:21	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN

IG04160-03 L1882191-03

Collected by
Collected date/time
07/22/25 12:46
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2581876	1	08/25/25 08:37	08/25/25 16:13	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2581876	1	08/25/25 08:37	08/25/25 16:13	RGT	Mt. Juliet, TN

IG04160-04 L1882191-04

Collected by
Collected date/time
07/22/25 13:50
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN

IG04160-05 L1882191-05

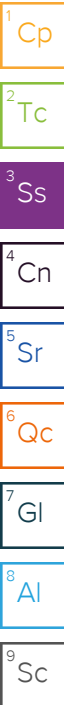
Collected by
Collected date/time
07/22/25 15:22
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2581876	1	08/18/25 15:27	08/20/25 02:56	RGT	Mt. Juliet, TN

IG04160-06 L1882191-06

Collected by
Collected date/time
07/22/25 10:10
Received date/time
07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RRE	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RRE	Mt. Juliet, TN



SAMPLE SUMMARY

IG04160-07 L1882191-07

Collected by

Collected date/time

Received date/time

07/22/25 11:17

07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

IG04160-08 L1882191-08

Collected by

Collected date/time

Received date/time

07/22/25 12:33

07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN

IG04160-09 L1882191-09

Collected by

Collected date/time

Received date/time

07/22/25 11:20

07/24/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN

IG04160-10 L1882191-10

Collected by

Collected date/time

Received date/time

07/22/25 15:33

07/24/25 09:00

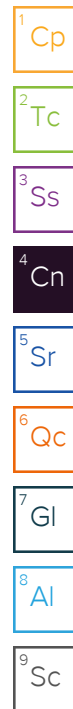
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2576036	1	08/13/25 08:42	08/19/25 12:12	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2582546	1	08/19/25 11:16	08/20/25 18:30	RGT	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Ashley N Pullium
Project Manager



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.04	J	0.716	0.763	1.17	0.342	08/13/2025 16:21	WG2575799
(T) Barium	119					30.0-143	08/13/2025 16:21	WG2575799
(T) Yttrium	92.7					30.0-136	08/13/2025 16:21	WG2575799

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.08		0.842	1.25	08/19/2025 22:00	WG2581876

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	1.04		0.444	0.564	0.427	0.163	08/19/2025 22:00	WG2581876
(T) Barium-133	100					30.0-143	08/19/2025 22:00	WG2581876

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.532	J	0.654	0.687	1.10	0.323	08/13/2025 16:21	WG2575799
(T) Barium	112					30.0-143	08/13/2025 16:21	WG2575799
(T) Yttrium	95.0					30.0-136	08/13/2025 16:21	WG2575799

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.811	J	0.684	1.12	08/20/2025 02:56	WG2581876

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.279		0.202	0.267	0.193	0.0465	08/20/2025 02:56	WG2581876
(T) Barium-133	97.0					30.0-143	08/20/2025 02:56	WG2581876

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.24	J	0.961	1.01	1.59	0.517	08/19/2025 12:12	WG2576036
(T) Barium	125					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	72.8					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.51	J	0.985	1.61	08/25/2025 16:13	WG2581876

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.269		0.217	0.276	0.233	0.0604	08/25/2025 16:13	WG2581876
(T) Barium-133	100					30.0-143	08/25/2025 16:13	WG2581876

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.522	U	0.765	0.800	1.30	0.421	08/19/2025 12:12	WG2576036
(T) Barium	118					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	83.8					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.930	J	0.809	1.32	08/20/2025 02:56	WG2581876

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.408		0.262	0.345	0.227	0.0550	08/20/2025 02:56	WG2581876
(T) Barium-133	87.2					30.0-143	08/20/2025 02:56	WG2581876

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.99		1.05	1.13	1.60	0.518	08/19/2025 12:12	WG2576036
(T) Barium	85.4					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	75.4					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	4.66		1.16	1.61	08/20/2025 02:56	WG2581876

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	1.68		0.498	0.670	0.176	0.0309	08/20/2025 02:56	WG2581876
(T) Barium-133	90.9					30.0-143	08/20/2025 02:56	WG2581876

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	4.17		0.834	0.932	1.09	0.348	08/19/2025 12:12	WG2576036
(T) Barium	124					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	76.7					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	6.85		1.06	1.13	08/20/2025 18:30	WG2582546

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	2.68		0.649	0.854	0.314	0.0991	08/20/2025 18:30	WG2582546
(T) Barium-133	96.4					30.0-143	08/20/2025 18:30	WG2582546

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.869	J	0.773	0.817	1.28	0.409	08/19/2025 12:12	WG2576036
(T) Barium	83.3					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	74.4					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.03	J	0.822	1.35	08/20/2025 18:30	WG2582546

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.159	J	0.280	0.340	0.427	0.148	08/20/2025 18:30	WG2582546
(T) Barium-133	90.0					30.0-143	08/20/2025 18:30	WG2582546

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.65		0.699	0.776	0.963	0.306	08/19/2025 12:12	WG2576036
(T) Barium	110					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	77.6					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	4.39		0.877	1.01	08/20/2025 18:30	WG2582546

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	1.74		0.529	0.712	0.296	0.0895	08/20/2025 18:30	WG2582546
(T) Barium-133	99.1					30.0-143	08/20/2025 18:30	WG2582546

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.54		0.596	0.655	0.898	0.287	08/19/2025 12:12	WG2576036
(T) Barium	112					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	90.7					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.01		0.657	0.935	08/20/2025 18:30	WG2582546

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.465		0.277	0.349	0.262	0.0793	08/20/2025 18:30	WG2582546
(T) Barium-133	99.5					30.0-143	08/20/2025 18:30	WG2582546

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.494	<u>U</u>	0.748	0.782	1.27	0.411	08/19/2025 12:12	WG2576036
(T) Barium	136					30.0-143	08/19/2025 12:12	WG2576036
(T) Yttrium	79.7					30.0-136	08/19/2025 12:12	WG2576036

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.518	<u>U</u>	0.763	1.30	08/20/2025 18:30	WG2582546

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0247	<u>U</u>	0.149	0.166	0.298	0.0879	08/20/2025 18:30	WG2582546
(T) Barium-133	92.6					30.0-143	08/20/2025 18:30	WG2582546

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4258891-1 08/13/25 16:21

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0572	<u>U</u>	0.280	0.501	0.156
(T) Barium	103		103		
(T) Yttrium	95.7		95.7		

L1882191-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1882191-01 08/13/25 16:21 • (DUP) R4258891-5 08/13/25 16:21

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.04	0.716	1.17	0.342	1.44	0.796	1.28	0.402	31.8	0.368		20	3
(T) Barium	119				117	117							
(T) Yttrium	92.7				89.2	89.2							

Laboratory Control Sample (LCS)

(LCS) R4258891-2 08/13/25 16:21

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.69	93.9	80.0-120	
(T) Barium			106		
(T) Yttrium			96.3		

L1882165-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882165-05 08/13/25 16:21 • (MS) R4258891-3 08/13/25 16:21 • (MSD) R4258891-4 08/13/25 16:21

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	1.68	11.0	11.0	93.1	93.2	1	70.0-130			0.0910		20
(T) Barium		110			125	120							
(T) Yttrium		98.9			96.2	93.6							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4261511-1 08/19/25 12:12

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.298		0.311	0.520	0.167
(T) Barium	114		114		
(T) Yttrium	88.6		88.6		

L1882355-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1882355-01 08/19/25 12:12 • (DUP) R4261511-5 08/19/25 12:12

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.937	0.605	0.973	0.310	0.819	0.899	1.51	0.490	13.5	0.109		20	3
(T) Barium	122				115	115							
(T) Yttrium	79.6				72.6	72.6							

Laboratory Control Sample (LCS)

(LCS) R4261511-2 08/19/25 12:12

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.34	107	80.0-120	
(T) Barium			127		
(T) Yttrium			96.7		

L1882355-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882355-02 08/19/25 12:12 • (MS) R4261511-3 08/19/25 12:12 • (MSD) R4261511-4 08/19/25 12:12

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.905	11.9	11.6	110	107	1	70.0-130			2.64		20
(T) Barium		115			123	119							
(T) Yttrium		88.8			83.2	80.9							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4263854-4 08/20/25 02:56

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00285	<u>U</u>	0.0572	0.119	0.0382
(T) Barium-133	68.6		68.6		

L1882191-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1882191-03 08/25/25 16:13 • (DUP) R4263854-5 08/25/25 16:13

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.269	0.217	0.233	0.0604	0.415	0.237	0.196	0.0508	42.7	0.454		20	3
(T) Barium-133	100				111	111							

Laboratory Control Sample (LCS)

(LCS) R4263854-3 08/19/25 22:51

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.29	106	80.0-120	
(T) Barium-133			63.3		

L1882191-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882191-05 08/20/25 02:56 • (MS) R4263854-1 08/19/25 21:59 • (MSD) R4263854-2 08/19/25 21:59

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	1.68	23.5	23.1	109	107	1	75.0-125			1.80		20
(T) Barium-133		90.9			95.8	95.2							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4262784-1 08/20/25 18:30

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0136	<u>U</u>	0.0371	0.0704	0.0183
(T) Barium-133	82.6		82.6		

L1877155-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1877155-06 08/21/25 09:11 • (DUP) R4262784-5 08/21/25 09:11

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	18.2	1.64	0.238	0.0617	13.2	1.27	0.197	0.0512	32.0	2.42		20	3
(T) Barium-133	97.9				99.3	99.3							

Laboratory Control Sample (LCS)

(LCS) R4262784-2 08/20/25 18:30

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.59	112	80.0-120	
(T) Barium-133			88.9		

L1889450-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889450-25 08/20/25 19:24 • (MS) R4262784-6 08/22/25 17:25 • (MSD) R4262784-7 08/22/25 17:25

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.109	21.7	21.8	108	108	1	75.0-125			0.507		20
(T) Barium-133		97.9			93.6	90.7							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

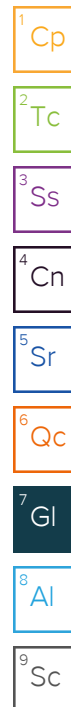
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

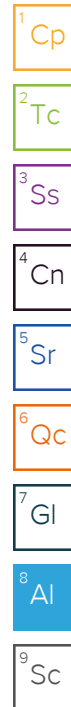
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
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Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
IG04160

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L1882/191

Sample: IG04160-01
Name: AP05S

Sampled: 07/22/25 13:57
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 13:57	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-02
Name: AP07S

Sampled: 07/22/25 15:12
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 15:12	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-03
Name: AW-01

Sampled: 07/22/25 12:46
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 12:46	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-04
Name: AW-09

Sampled: 07/22/25 13:50
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 13:50	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N ☐ NP

COC Signed/Accurate: ☒ Y ☐ N ☐ NP

Bottles arrive intact: ☒ Y ☐ N ☐ NP

Correct bottles used: ☒ Y ☐ N ☐ NP

Sufficient volume sent: ☒ Y ☐ N ☐ NP

RA Screen <0.5 mR/hr: ☒ Y ☐ N ☐ NP

If Applicable
VOA Zero Headspace: ☒ Y ☐ N

Pres. Correct/Check: ☒ Y ☐ N

Condition: ☒ NCF ☐ OK

SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
IG04160

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

41882191

Sample: IG04160-05
Name: AW-10

Sampled: 07/22/25 15:22
Matrix: Ground Water
Preservative: HNO3, pH <2

-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 15:22	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-06
Name: AW-15

Sampled: 07/22/25 10:10
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 10:10	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-07
Name: AW-15S

Sampled: 07/22/25 11:17
Matrix: Ground Water
Preservative: HNO3, pH <2

-07

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 11:17	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-08
Name: AW-16

Sampled: 07/22/25 12:33
Matrix: Ground Water
Preservative: HNO3, pH <2

-08

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 12:33	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
IG04160

L188291

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

Sample: IG04160-09
Name: AW-17

Sampled: 07/22/25 11:20
Matrix: Ground Water
Preservative: HNO3, pH <2

-09

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 11:20	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04160-10
Name: FIELD BLANK

Sampled: 07/22/25 15:33
Matrix: DI Water
Preservative: HNO3, pH <2

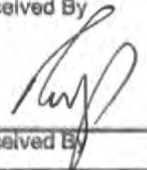
-10

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/04/25 16:00	01/18/26 15:33	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 7/23/25 Total # of Containers: 10 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☒ RUSH 10 day Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	°C
	7/23/25 1400		7-24-25 0900	Sample(s) Received on Ice	Y or N
				Proper Bottles Received in Good Condition	Y or N
				Bottles Filled with Adequate Volume	Y or N
				Samples Received Within Hold Time	Y or N
				Date/Time Taken From Sample Bottle	Y or N

7/24-L1882191 PACEPIL TD

R5

Time estimate: oh

Time spent: oh

Members

TD Troy Dunlap (responsible) **AP** Ashley Pullium

- ☐ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Custody seal not intact
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☒ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

Troy Dunlap

24 July 2025 3:47 PM

COC is missing. Appears to be RAD samples.
WO # IGo4160
IDs:
IGo4160-01A
IGo4160-02A
IGo4160-03A
IGo4160-04A
IGo4160-06A
IGo4160-07A
IGo4160-08A
IGo4160-09A
IGo4160-10A

Ashley Pullium

24 July 2025 4:26 PM

Do you happen to have a tracking number?

Troy Dunlap

24 July 2025 4:40 PM

8830 0594 9738

8830 0594 9749

Ashley Pullium

25 July 2025 11:47 AM

Good Morning, I have attached the COC.

Troy Dunlap

25 July 2025 4:18 PM

Done.

ANALYTICAL REPORT

August 14, 2025

Pace IR - Peoria, IL

Sample Delivery Group: L1882721
Samples Received: 07/29/2025
Project Number: IG04859
Description:

Report To: Diane Billings
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:



Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

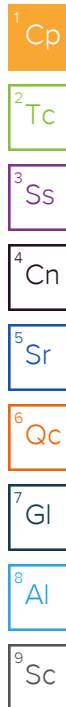


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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

IG04859-01 L1882721-01

Collected by

Collected date/time

Received date/time

07/25/25 09:12

07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570335	1	08/01/25 08:51	08/08/25 22:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

IG04859-02 L1882721-02

Collected by

Collected date/time

Received date/time

07/25/25 10:25

07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570335	1	08/01/25 08:51	08/08/25 22:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN

IG04859-03 L1882721-03

Collected by

Collected date/time

Received date/time

07/25/25 09:20

07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2570335	1	08/01/25 08:51	08/08/25 22:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2577191	1	08/11/25 14:08	08/13/25 20:02	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Ashley N Pullium
Project Manager



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	3.29		1.54	1.62	2.43	0.798	08/08/2025 22:19	WG2570335
(T) Barium	100					30.0-143	08/08/2025 22:19	WG2570335
(T) Yttrium	71.0					30.0-136	08/08/2025 22:19	WG2570335

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	3.81		1.57	2.45	08/13/2025 20:02	WG2577191

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.523		0.311	0.496	0.302	0.0955	08/13/2025 20:02	WG2577191
(T) Barium-133	102					30.0-143	08/13/2025 20:02	WG2577191

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

IG04859-02

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 3, 2025

SAMPLE RESULTS - 02

Collected date/time: 07/25/25 10:25

EDWARDS POWER PLANT, ASH POND

L1882721

EDW-845-301

Radiochemistry by Method 904/9320

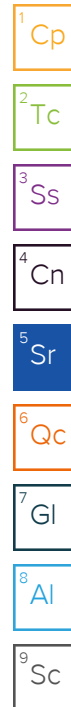
Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.40		0.577	0.632	0.907	0.299	08/08/2025 22:19	WG2570335
(T) Barium	110					30.0-143	08/08/2025 22:19	WG2570335
(T) Yttrium	90.3					30.0-136	08/08/2025 22:19	WG2570335

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.91		0.672	0.985	08/13/2025 20:02	WG2577191

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.503		0.345	0.533	0.385	0.133	08/13/2025 20:02	WG2577191
(T) Barium-133	99.9					30.0-143	08/13/2025 20:02	WG2577191



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.706	J	0.527	0.567	0.866	0.285	08/08/2025 22:19	WG2570335
(T) Barium	110					30.0-143	08/08/2025 22:19	WG2570335
(T) Yttrium	88.6					30.0-136	08/08/2025 22:19	WG2570335

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.982		0.589	0.926	08/13/2025 20:02	WG2577191

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.277	J	0.262	0.404	0.327	0.0988	08/13/2025 20:02	WG2577191
(T) Barium-133	89.7					30.0-143	08/13/2025 20:02	WG2577191

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4256423-6 08/11/25 18:10

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.0793	<u>U</u>	0.236	0.405	
(T) Barium	94.1		94.1		
(T) Yttrium	128		128		

L1879060-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1879060-05 08/08/25 22:19 • (DUP) R4256423-5 08/08/25 22:19

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.869	0.776	1.29	0.423	0.640	0.653	1.09		30.5	0.227	<u>J</u>	20	3
(T) Barium	123				103	103							
(T) Yttrium	77.6				74.8	74.8							

Laboratory Control Sample (LCS)

(LCS) R4256423-2 08/08/25 22:19

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.71	114	80.0-120	
(T) Barium			85.5		
(T) Yttrium			98.1		

L1878532-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1878532-02 08/08/25 22:19 • (MS) R4256423-3 08/08/25 22:19 • (MSD) R4256423-4 08/08/25 22:19

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.466	10.9	10.5	105	100	1	70.0-130			4.11		20
(T) Barium		105			112	112							
(T) Yttrium		78.3			89.7	90.4							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4258691-1 08/13/25 20:02

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.00943	<u>U</u>	0.0258	0.0489	0.0127
(T) Barium-133	104		104		

L1885941-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1885941-27 08/12/25 22:01 • (DUP) R4258691-5 08/13/25 20:02

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.0283	0.0759	0.163	0.0286	0.0356	0.156	0.289	0.0911	23.1	0.0425	<u>U</u>	20	3
(T) Barium-133	98.4				101	101							

Laboratory Control Sample (LCS)

(LCS) R4258691-2 08/13/25 20:02

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.08	102	80.0-120	
(T) Barium-133			98.7		

L1885938-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1885938-28 08/12/25 22:01 • (MS) R4258691-3 08/13/25 20:02 • (MSD) R4258691-4 08/13/25 20:02

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.229	17.6	17.6	86.8	86.8	1	75.0-125			0.0569		20
(T) Barium-133		98.7			97.1	103							

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

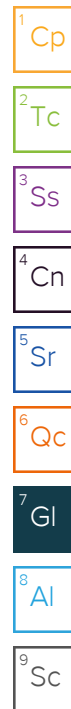
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

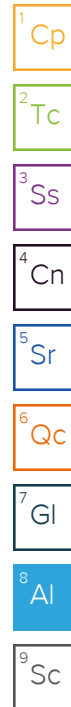
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



SUBCONTRACT ORDER
Transfer Chain of Custody

F207

Pace Analytical Services, LLC
IG04859

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L18627a1

Sample: IG04859-01
Name: AW-08

Sampled: 07/25/25 09:12
Matrix: Ground Water
Preservative: HNO3, pH <2

61

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/06/25 16:00	01/21/26 09:12	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04859-02
Name: AW-11

Sampled: 07/25/25 10:25
Matrix: Ground Water
Preservative: HNO3, pH <2

02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/06/25 16:00	01/21/26 10:25	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IG04859-03
Name: EB #1

Sampled: 07/25/25 09:20
Matrix: DI Water
Preservative: HNO3, pH <2

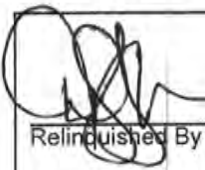
03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	08/06/25 16:00	01/21/26 09:20	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 7/28/25 Total # of Containers: 3 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

	<u>7/28/25 1415</u>	<u>C. R. Borden</u>	<u>07:29:25</u>	<u>0900</u>	Sample Temperature Upon Receipt	_____ °C
					Sample(s) Received on Ice	Y or N
Relinquished By	Date/Time	Received By	Date/Time		Proper Bottles Received in Good Condition	Y or N
					Bottles Filled with Adequate Volume	Y or N
					Samples Received Within Hold Time	Y or N
					Date/Time	Date/Time Taken From Sample Bottle
Sample Receipt Checklist						
COC Seal Present/Intact: <u>Y</u> <u>N</u> <u>NP</u> If Applicable						
COC Signed/Accurate: <u>Y</u> <u>N</u> VOR Zero Headpace: <u>Y</u> <u>N</u>						
Bottles arrive intact: <u>Y</u> <u>N</u> Pres Correct/Check: <u>Y</u> <u>N</u>						
Correct bottles used: <u>Y</u> <u>N</u>						
Sufficient volume sent: <u>Y</u> <u>N</u> Condition: <u>NCF</u> <u>OK</u>						
RA Screen <0.5 mR/hr: <u>Y</u> <u>N</u>						

883123037395 *Amb.*

1603878

CHAIN-OF-CUSTODY / Analytical Request Document

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:	
Company:	Vistra Corp-Edwards	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	7800 Cilco Lane Peoria, IL 61607	Copy To:	Mark Davis: Mark.Davis@vistracorp.com	Company Name:	Vistra Corp
Email To:	Brian.Voelker@vistracorp.com	Purchase Order No.:		Address:	see Section A
Phone:	(217) 753-8911	Project Name:		Quote Reference:	
Requested Due Date/TAT:	10 day	Project Number:		Project Manager:	
				Profile #:	

REGULATORY AGENCY	
NPDES	GROUND WATER
UST	DRINKING WATER
RCRA	OTHER
Site Location	IL
STATE:	

Section D Required Client Information										Valid Matrix Codes										Requested Analysis Filtered (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			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Page: 2 of 2

71

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Edwards	Report To:	Brian Voelker
Address:	7800 Clico Lane Peoria, IL 61607	Copy To:	Mark Davis: Mark.Davis1@vistracorp.com
Email To:	Brian.Voelker@vistracorp.com	Purchase Order No.:	
Phone:	(217) 753-8911	Project Name:	
Requested Due Date/At:	10 day	Project Number:	

Section B Required Project Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Order Reference:	
Project Manager:	
Profile #:	

Section C Invoice Information:

REGULATORY AGENCY	
NPDES	GROUND WATER
UST	DRINKING WATER
RCRA	OTHER
Site Location	IL
STATE:	

Page: 1 of 2

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	TIME	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	AP05S	AW-9	07/22/25	13:57			4	X	X	X	X	X	X	X	X	X		
2	AP07S	AW-9	07/22/25	15:12			4	X	X	X	X	X	X	X	X	X		
3	AW-01	AW-9	07/22/25	12:46			4	X	X	X	X	X	X	X	X	X		
4	AW-05																	
5	AW-06																	
6	AW-08																	
7	AW-09	AW-9	07/22/25	13:50			4	X	X	X	X	X	X	X	X	X		
8	AW-10	AW-9	07/22/25	15:22			4	X	X	X	X	X	X	X	X	X		
9	AW-11																	
10	AW-14																	
11	AW-15	AW-9	07/22/25	10:10			4	X	X	X	X	X	X	X	X	X		
12	AW-15S	AW-9	07/22/25	11:17			4	X	X	X	X	X	X	X	X	X		
13	AW-16	AW-9	07/22/25	18:33			4	X	X	X	X	X	X	X	X	X		
14	AW-17	AW-9	07/22/25	11:30			4	X	X	X	X	X	X	X	X	X		
15	AW-18																	
16	AW-19																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q3 Rev 0	Andy Watesva	07/22/25	16:15	Daphnia Bell	7/22/25	16:15

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Andy Watesva
SIGNATURE of SAMPLER: Andy Watesva
DATE Signed (MM/DD/YYYY): 07/22/25

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

2604165

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Edwards**
Address: **7800 Cilco Lane**
Peoria, IL 61607
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Mark Davis; Mark.Davis1@vistracorp.com**
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

ITEM #	Valid Matrix Codes Required Client Information MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
			DATE	TIME							
1	AW-21										
2	SG-01										
3	XPW01A										
4	XPW02										
5	XPW03										
6	Field Blank		07/22/25	15:33		4 X	X				
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
EDW-25Q3 Rev 0			<i>Andy Voelker</i>	07/22/25	16:15	<i>Andy Voelker</i>		7/22/25	16:15		

SAMPLER NAME AND SIGNATURE: *Andy Voelker*
PRINT Name of SAMPLER: *Andy Voelker*
SIGNATURE of SAMPLER: *Andy Voelker*
DATE Signed (MM/DD/YY):
Temp in °C
Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Vistra Corp. Edwards Work Order #: 64160 Completed by / Date: JL 7/22/25

Custody seal on cooler/box present and seal intact:	☐ Yes ☒ No ☐ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☒ Yes ☐ No
Sampler Signature Present on CoC:	☒ Yes ☐ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☒ Yes ☐ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☒ Yes ☐ No ☐ N/A ☒ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☒ Yes ☐ No ☐ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil:	
Country of Origin: _____	☐ Yes ☐ No ☒ N/A
State of Origin: _____	
Trip Blank(s) Received:	☐ Yes ☐ No ☒ N/A
If present, are they Listed on CoC:	☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble ($>6\text{mm}$) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No

Client Notification/ Resolution: _____ If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

WORK ORDER #:

04160

INITIALS:

JL

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1 x 10									
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss	1 x 10									
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total	1 x 10									
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO ₃	1 x 10									
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
	Amber Glass Bottles - Vials									
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
	Clear Glass Bottles - Soil/Sludge Jars - Vials									
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
	Client Supplied									
Description										

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

Page: 1 of 2

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information Company: Vistra Corp-Edwards Address: 7800 Cielo Lane Peoria, IL 61607 Email To: Brian Voelker@VistraCorp.com Phone: (217) 753-8911 Fax: Requested Due Date/AT: 10 day		Section B Required Project Information Requested To: Brian Voelker Project To: Man Davis Man Davis@vistracorp.com Purchase Order No.: Project Name: Project Number:		Section C Project Information Attention: Brian Voelker Company Name: Vistra Corp Address: see Section A Date: Reference: Project Manager: Profile #		REGULATORY AGENCY NPDES: GROUND WATER DRINKING WATER UST: RCRA OTHER Site Location: IL STATE:	
---	--	--	--	---	--	---	--

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample ID's MUST BE UNIQUE	MATRIX CODE (see table codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./Lab ID.
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other				
1	AW-21																		
2	SG-01																		
3	XPW01A																		
4	XPW02																		
5	XPW03																		
6	Field Blank																		
7	Equipment Break #1			07/25/25	9:30		4 X	X											
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

ADDITIONAL COMMENTS EDW-25Q3 Rev 0		REMOVED BY / AFFILIATION <i>[Signature]</i>		DATE 07/25/25		TIME 12:24		ACCEPTED BY / AFFILIATION <i>[Signature]</i>		DATE 7/25/25		TIME 12:24		SAMPLE CONDITIONS Temp in °C: _____ Received on Ice (Y/N): _____ Custody Sealed Cooler (Y/N): _____ Samples Intact (Y/N): _____	
--	--	--	--	------------------	--	---------------	--	---	--	-----------------	--	---------------	--	---	--

1604859
1604859

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Vistra Corp. Edwards Work Order #: IG04838 IG04859 Completed by / Date: 82 7/25/25

Custody seal on cooler/box present and seal intact:	☐ Yes ☐ No ☒ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☐ Yes ☒ No
Sampler Signature Present on CoC:	☐ Yes ☒ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☐ Yes ☒ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☒ Yes ☐ No ☐ N/A ☒ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☒ Yes ☐ No ☐ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐ Yes ☐ No ☒ N/A
Trip Blank(s) Received: If present, are they Listed on CoC:	☐ Yes ☐ No ☒ N/A ☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No

Client Notification/ Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

Effective Date:

WORK ORDER #:

INITIALS:

1G04838 / 1G04850
 JZ

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1	1								
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss	1	1								
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total	1	1								
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO ₃	1	1								
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
	Amber Glass Bottles - Vials									
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
	Clear Glass Bottles - Soil/Sludge Jars - Vials									
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
	Client Supplied									
Description										

WORK ORDER #: _____ INITIALS: LL

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1									
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss	1									
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total	1									
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO ₃	1									
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
	Amber Glass Bottles - Vials									
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
	Clear Glass Bottles - Soil/Sludge Jars - Vials									
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
	Client Supplied									
Description										

SAR-3: Plant Sampling and Analysis Request

Event: EDW-25Q3

Date Generated: 05/21/2025

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
AP05D	EDW_AP05&D	07/21/25	10:51	5.20	TD: 59.92	ADW
AP07D	EDW_AP07&D	7-21-25	0853	28.32		ADW
AP08	EDW_AP08	07/21/25	10:44	8.84	TD: 21.84	KMD
AP09	EDW_AP09	07/21/25	12:00	10.76	TD: 20.80	KMD
APW-01	EDW_APW-01	07/21/25	10:39	11.90		ADW
AW-12	EDW_AW-12	7-21-25	1036	9.31		ADW
AW-13	EDW_AW-13	7-21-25	1148	7.15		ADW
AW-15C	EDW_AW-15!C	7-21-25	1000	7.38		ADW
AW-20	EDW_AW-20	7-21-25	0911	17.39		ADW
AW-22	EDW_AW-22	7-21-25	0902	12.50		ADW
AW-23	EDW_AW-23	07/21/25	9:53	15.17	well is dry	ADW
OW-01	EDW_OW-01	7-21-25	0857	24.26		ADW

SAR-4: Plant Sampling and Analysis Request

H/M/L/D: High, Medium, Low, Dead

Event: EDW-25Q3

Date Generated: 05/21/2025

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Serial Number	Does Data Logger Serial No Match?	Data downloaded?	Batt (H/M/L/D)	Batteries Replaced?	Comments (example: no transducer, removed, recalibrated, redeployed, serial number if it doesn't match form)	Initials
EDW_AP05#S	07/21/25	10:49	5.90	21629301	Y	Y	H	N	☒ Reconfigure to hourly readings and data wrap	ASJ
EDW_AP07#S	07/21/25	08:48	25.23	21615552	Y	Y	H	N		LR
EDW_AW-01	07/21/25	10:26	10.49	21615144	Y	Y	H	N		LR
EDW_AW-05	07/21/25	10:28	8.90	21615132	Y	Y	H	N		ASJ
EDW_AW-06	07/21/25	09:10	27.44	21615127	Y	Y	H	N		KMD
EDW_AW-08	07/21/25	08:55	23.90	21615722	Y	Y	H	N	TD-58.15 FL	KMD
EDW_AW-09	07/21/25	09:52	26.82	21615130	Y	Y	D/H	Y	Batteries replaced	KMD
EDW_AW-10	07/21/25	09:30	4.68	21615754	Y	Y	H	N	TD-33.50 FL	LR
EDW_AW-11	07/21/25	09:36		21615129	Y	Y	H	N	Wasp nest blocking access	LR
EDW_AW-14	07/21/25	09:47	8.15	21926662	Y	N	D	Y	Batteries changed & still can't connect / will collect data logger software	LR
EDW_AW-15	07/21/25	10:02	9.83	21615761	Y	Y	H	Y		LR
EDW_AW-15#S	7/21/25	10:05	10.07	21629298	Y	Y	H	Y		LR

SAR-4: Plant Sampling and Analysis Request

H/M/L/D: High, Medium, Low, Dead

Event: EDW-25Q3

Date Generated: 05/21/2025

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Serial Number	Does Data Logger Serial No Match?	Data downloaded?	Batt (H/M/L/D)	Batteries Replaced?	Comments (example: no transducer, removed, recalibrated, redeployed, serial number if it doesn't match form)	Initials
EDW_AW-16	07/21/25	10:12	25.83	21615714	Y	Y	H	N		KMD
EDW_AW-17	07/21/25	09:33	28.09	21615756	Y	Y	D/H	Y	Batteries replaced	KMD
EDW_AW-18	07/21/25	09:20	28.06	21615763	Y	Y	H	N		KMD
EDW_AW-19	07/21/25	09:16	14.31	21615718	Y	Y	H	N		LR
EDW_AW-21	07/21/25	09:07	18.39	21615514	Y	Y	H	N		LR
EDW_EMW-05	07/21/25	11:39	21.43	21615739	Y	Y	H	N		LR
EDW_RG-01	07/23/25	08:30	-	21628687	Y	Y	H	N		AP
EDW_YILRIVER	07/21/25	11:13	32.85	21768086	Y	Y	H	N		ASL
EDW_XPW01A_pore	07/21/25	10:32	12.37	21615740	Y	Y	H	N		KMD
EDW_XPW02_pore	07/21/25	10:55	12.39	21615752	Y	Y	H	N		KMD
EDW_XPW03_pore	07/21/25	12:04	18.50	21629300	Y	Y	H	N	☒ Remove data logger for repair	KMD

AP 7/23/25

Site: Edwards Ash Pond

WELL/SAMPLE POINT AP05S

Purge Method: Dedicated Bladder

Date: 07/22/25 Start Time: 13:00 Finish/Sample Time: 13:57

Well Depth (Bottom) From MP: 34.72 ft*

Min. Purge Volume: 1000 mL

Depth to Water From MP: 6.00 ft

Total Purge Volume: 3400 mL

Water Column Length: 28.72 ft

Final Depth to Water: 5.95 ft

Well Water Volume: 17.37 L

Total Drawdown: 0.0 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	13:10	5.95	150	7.05	1570	20.62	-102	1.81	105
2	13:12	5.95	150	7.00	1610	19.90	-103	1.41	93.5
3	13:14	5.95	150	6.98	1620	19.62	-103	1.30	88.1
4	13:16	5.95	150	6.95	1620	19.38	-103	1.18	78.7
5	13:18	5.95	150	6.93	1640	18.79	-102	1.09	67.7
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
	Rad (P, 2.5L, HNO3)
	Metals (P, 250mL, HNO3)
	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron mg/L

Comments * Top of pump App 7/24/25

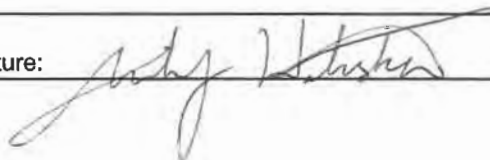
Sampler's Signature: [Signature]

WELL/SAMPLE POINT **AP05S (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	13:20	5.95	150	6.90	1620	18.52	-101	0.94	71.9
7	13:22	5.95	150	6.90	1630	18.48	-101	0.99	72.1
8	13:24	5.95	150	6.90	1630	18.46	-101	0.92	70.3
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:



WELL/SAMPLE POINT **AP07S**

Purge Method: **Dedicated Bladder**

Date: **07/22/25** Start Time: **1410** Finish/Sample Time: **1512**

Well Depth (Bottom) From MP: **35.07** ft * Min. Purge Volume: **1000** mL

Depth to Water From MP: **25.12** ft Total Purge Volume: **1900** mL

Water Column Length: **9.95** ft Final Depth to Water: **26.55** ft

Well Water Volume: **6.02** L Total Drawdown: **1.43** ft

Reading (Units)	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
		26.80	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1	1427	27.80	100	7.68	728	21.69	54	11.39	192
2	1430	26.68	100	7.19	1490	17.71	36	0.61	0.0
3	1433	26.55	100	7.07	1490	17.83	31	0.51	0.0
4	1436	26.55	100	7.09	1480	17.85	31	0.57	0.0
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: **HORIBA**

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

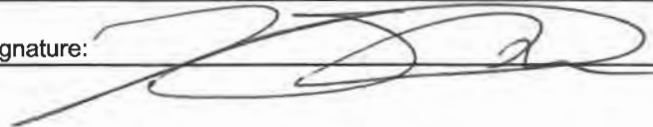
BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	P 500mL V

Ferrous Iron **-** mg/L

Comments *** Top of pump** App 7/29/25

Sampler's Signature: 

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-01**

Purge Method: **Dedicated Bladder**

Date: 07/22/25 Start Time: 11:42 Finish/Sample Time: 12:46

Well Depth (Bottom) From MP: 31.77 ft *

Min. Purge Volume: 1000 mL

Depth to Water From MP: 10.52 ft

Total Purge Volume: 3700 mL

Water Column Length: 21.25 ft

Final Depth to Water: 19.05 ft

Well Water Volume: 12.87 L

Total Drawdown: 8.53 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	11:56	11.42	150	7.01	1270	22.09	15	3.54	71.1
2	11:58	11.83	150	6.91	1320	21.46	-45	2.14	116
ADJW 07/22/25	11:59	12.05	150	6.88	1330	20.98	-56	1.48	145
4	12:02	12.55	150	6.87	1350	20.51	-62	0.95	142
5	12:04	12.84	150	6.86	1350	20.40	-64	0.80	132
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

Horiba

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron — mg/L

Comments * Top of pump App 7/24/25

Sampler's Signature: [Signature]

WELL/SAMPLE POINT AW-01 (Cont.)

AJW 07/22/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
6	12:06	13.16	150	6.86	1350	20.24	0.73	0.65	122
7	12:08	13.48	150	6.85	1350	20.18	-66	0.62	116
8	12:10	13.71	150	6.86	1360	20.16	-67	0.59	110
9	12:12	13.92	150	6.85	1350	20.16	-68	0.57	107
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:



Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-05**

Purge Method: **Dedicated Bladder**

Date: **07/21/25** Start Time: **1239**

Finish/Sample Time: **1410**

Well Depth (Bottom) From MP: **22.35** ft *

Min. Purge Volume: **1000** mL

Depth to Water From MP: **8.78** ft

Total Purge Volume: **1400** mL **1900**

Water Column Length: **13.60** ft

Final Depth to Water: **9.25** ft **APP 7/23/25**

Well Water Volume: **8.23** L

Total Drawdown: **0.47** ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1255	9.15	100	7.09	168	19.54	24	1.13	171
2	1258	9.25	100	7.04	167	19.51	9	1.17	138
3	1301	9.23	100	7.00	166	19.61	7	1.14	108
4	1304	9.25	100	6.96	166	19.63	12	1.11	82.2
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1 + 1	Rad (P, 2.5L, HNO3)
1 + 1	Metals (P, 250mL, HNO3)
1 + 1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1 + 1	P, 500 mL, DIS

Ferrous Iron **—** mg/L

Comments **FIELD DUP TAKEN HERE *TOP OF PUMP APP 7/21/25**

Sampler's Signature: 

WELL/SAMPLE POINT **AW-06**

Purge Method: **Dedicated Bladder**

Date: **07/21/25** Start Time: **1419** Finish/Sample Time: **1535**

Well Depth (Bottom) From MP: **41.57** ft *

Min. Purge Volume: **1000** mL

Depth to Water From MP: **27.40** ft

Total Purge Volume: **1800** mL **3100**

Water Column Length: **14.57** ft

Final Depth to Water: **37.00** ft

Well Water Volume: **8.82** L

Total Drawdown: **9.60** ft

App 7/23/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1439	28.94	100	7.42	88.7	21.00	-104	2.44	258
2	1442	29.34	100	7.30	88.2	19.72	-112	1.42	202
3	1445	29.61	100	7.25	86.2	19.64	-114	1.41	192
4	1448	29.89	100	7.22	87.4	18.32	-117	1.07	175
5	1451	29.87 ^{KMD}	100	7.19	84.1	18.15	-115	0.86	133
Stabilization	NA	30.07 NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	P 250mL U

Ferrous Iron **—** mg/L

Comments

*** Top & pump App 7/24/25**

Sampler's Signature:



WELL/SAMPLE POINT **AW-06 (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	1454	30.28	100	7.13	83.4	18.22	-111	0.76	114
7	1457	30.54	100	7.11	83.6	18.25	-108	0.80	106
8	1500	30.78	100	7.10	83.0	18.21	-104	0.82	103
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:



Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-08

Purge Method: portable pump with dedicated tubing

Date: 07/29/25 Start Time: 8:21 Finish/Sample Time: 9:12

Well Depth (Bottom) From MP: 58.15 ft
Depth to Water From MP: 24.25 ft
Water Column Length: 33.90 ft
Well Water Volume: 20.50 L
Min. Purge Volume: 1000 mL
Total Purge Volume: 2800 mL
Final Depth to Water: 31.52 ft
Total Drawdown: 7.27 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	08:30	23.80	150	6.95	957	21.10	-50	5.76	290
2	08:32	24.45	150	6.81	1310	20.64	-85	2.01	264
3	08:34	24.68	150	6.80	1350	20.48	-94	1.69	272
4	08:36	24.84	150	6.80	1360	20.54	-101	1.20	243
5	08:38	25.30	150	6.81	1360	20.55	-108	1.10	262
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Hanna

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron mg/L

Comments Equipment Blank 1 Filled here @ 9:20

Sampler's Signature:

For Andrew Wetsten

WELL/SAMPLE POINT **AW-08 (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	08:40	26.40	150	6.81	1360	20.61	-110	1.09	244
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:

For Andrew Wetscha

Site: Edwards Ash Pond

AP 7/23/25

WELL/SAMPLE POINT **AW-09**

Purge Method: **Dedicated Bladder**

Date: 07/24/25 Start Time: 1240 Finish/Sample Time: 1350

Well Depth (Bottom) From MP: 47.15 ft * Min. Purge Volume: 1000 mL

Depth to Water From MP: 26.88 ft Total Purge Volume: 1900 mL

Water Column Length: 20.27 ft Final Depth to Water: 36.90 ft

Well Water Volume: 12.27 L Total Drawdown: 10.02 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1255	28.13	100	6.99	1290	22.66	132	0.96	47.3
2	1258	28.65	100	7.01	1290	19.86	135	0.94	47.0
3	1301	29.20	100	7.00	1280	19.79	138	0.95	61.3
4	1304	29.80	100	7.00	1290	19.77	143	0.95	52.2
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☒ Slight ☐ Mod ☐ Strong

440

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

4

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	P 500 mL U

Ferrous Iron — mg/L

Comments * Top of pump AP 7/29/25

Sampler's Signature:



Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-10

Purge Method: Dedicated Peristaltic Tubing

Date: 07/22/25 Start Time: 14:20 Finish/Sample Time: 13:15:22
ASW 07/22/25
Well Depth (Bottom) From MP: 33.50 ft Min. Purge Volume: 1000 mL
Depth to Water From MP: 4.90 ft Total Purge Volume: 3200 mL
Water Column Length: 28.60 ft Final Depth to Water: 11.73 ft
Well Water Volume: 17.32 L Total Drawdown: 6.83 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	14:34	6.10	150	7.11	2130	19.87	-98	1.46	440
2	14:38	6.48	150	7.03	2080	20.12	-103	0.99	440
3	14:40	6.83	150	6.97	2050	20.60	-106	0.87	403
4	14:42	6.96	150	6.96	2050	20.88	-107	0.84	412
5	14:44	7.14	150	6.95	2050	21.26	-107	0.84	434
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☒ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron — mg/L

Comments Field blank Filtered here @ 15:33

Sampler's Signature: [Signature]

WELL/SAMPLE POINT **AW-10 (Cont.)**

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
6	14:46	7.25	150	6.94	2050	21.75	-107	0.79	437
7	14:48	7.53	150	6.94	2070	21.73	-106	0.75	421
8	14:50	7.70	150	6.94	2080	21.66	-106	0.72	439
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:

Ashy Winters

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-11

Purge Method: Dedicated Bladder

Date: 07/25/25 Start Time: 9:32 Finish/Sample Time: 10:25

Well Depth (Bottom) From MP: 31.47 ft ^{6.84}

Depth to Water From MP: 6.84 ft ^{ASW 07/25/25}

Water Column Length: 24.65 ft

Well Water Volume: 14.93 L ^{6.85 ASW 07/25/25}

Min. Purge Volume: 1000 mL

Total Purge Volume: 2800 mL

Final Depth to Water: 7.01 ft

Total Drawdown: 0.17 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1	9:40	6.85	150	7.13	1680	18.02	-89	1.59	352
2	9:42	6.85	150	7.05	1710	17.62	-101	1.11	264
3	9:44	6.85	150	7.03	1700	17.87	-111	0.70	209
4	9:46	6.85	150	7.01	1710	18.04	-118	0.54	144
5	9:48	6.85	150	7.00	1720	18.07	-119	0.52	139
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
1	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron mg/L

Comments * Top Sr pump App 7/29/25

Sampler's Signature: [Signature]

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-11 (Cont.)**

10.85 ASW 07/25/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
6	9:50	10.85	150	7.00	1720	18:08	-119	0.50	135
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:

Andy W. [Signature]

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-14

Purge Method: Dedicated Bladder

Date: 07/21/25 Start Time: 14:30 Finish/Sample Time: 16:00

Well Depth (Bottom) From MP: 25.53 ft * Min. Purge Volume: 1000 mL

Depth to Water From MP: 8.12 ft Total Purge Volume: 2500 mL

Water Column Length: 17.41 ft Final Depth to Water: 21.24 ft

Well Water Volume: 10.54 L Total Drawdown: 13.52 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	14:43	9.62	150	6.93	1760	18.08	-116	1.24	107.3
2	14:45	9.78	150	6.92	1760	18.16	-120	0.95	69.9
3	14:47	10.18	150	6.91	1770	18.21	-124	0.75	70.9
4	14:49	10.43	150	6.91	1770	18.17	-125	0.74	65.6
5	14:51	10.66	150	6.91	1780	18.12	-127	0.70	65.0
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1 + 1	Rad (P, 2.5L, HNO3)
1 + 1	Metals (P, 250mL, HNO3)
1 + 1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1 + 1	General (P, 500mL)

Ferrous Iron — mg/L

Comments Field dup. * Top of pump App 7/29/25

Sampler's Signature: [Signature]

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-15**

Purge Method: **Dedicated Bladder**

Date: **07/22/25** Start Time: **9:19** Finish/Sample Time: **10:10**

Well Depth (Bottom) From MP: **35.01** ft ***** Min. Purge Volume: **1000** mL

Depth to Water From MP: **8.90** ft Total Purge Volume: **2800** mL

Water Column Length: **26.11** ft Final Depth to Water: **9.05** ft

Well Water Volume: **15.81** L Total Drawdown: **0.15** ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	9:30	9.05	150	6.92	1950	18.01	-89	1.30	21.1
2	9:32	9.05	150	6.85	1970	17.92	-96	0.86	14.1
3	9:34	9.05	150	6.83	1970	17.86	-100	0.70	12.8
4	9:36	9.05	150	6.82	1970	17.80	-104	0.55	12.0
5	9:38	9.05	150	6.80	1980	17.70	-106	0.53	12.3
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: **Horiba**

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(24)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron **—** mg/L

Comments *** Top of Pump App 7/29/25**

Sampler's Signature: **[Signature]**

WELL/SAMPLE POINT **AW-15 (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	9:40	9.05	150	6.80	1980	17.66	-106	0.50	12.5
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:

Sally Welska

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-15S**

Purge Method: **Dedicated Bladder**

Date: **07/22/25** Start Time: **10:14** Finish/Sample Time: **11:17**

Well Depth (Bottom) From MP: **18.62** ft ***** Min. Purge Volume: **1000** mL

Depth to Water From MP: **10.15** ft Total Purge Volume: **3400** mL

Water Column Length: **8.47** ft Final Depth to Water: **13.160** ft

Well Water Volume: **5.13** L Total Drawdown: **3.45** ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	10:24	10.80	150	6.97	1790	18.22	12	1.96	52.5
2	10:26	10.97	150	6.94	1790	17.92	0	1.45	52.4
3	10:28	11.08	150	6.92	1790	17.80	-2	1.12	47.3
4	10:30	11.17	150	6.92	1800	17.74	-3	0.97	45.5
5	10:32	11.20	150	6.92	1790	17.70	-3	0.83	41.6
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: **Horiba**

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

4

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	General (P, 500mL)

Ferrous Iron **—** mg/L

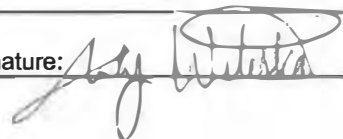
Comments *** Top of pump App 7/19/25**

Sampler's Signature: **[Signature]**

WELL/SAMPLE POINT AW-15S (Cont.)

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	10:34	11.20	150	6.91	1810	17.65	-4	0.74	39.4
7	10:36	11.20	150	6.91	1800	17.63	-4	0.70	35.8
8	10:38	11.20	150	6.91	1800	17.69	-4	0.68	34.3
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature: 

Site: Edwards Ash Pond

App 7/20/25

WELL/SAMPLE POINT **AW-16**

Purge Method: **Dedicated Bladder**

Date: 07/24/25 Start Time: 1130 Finish/Sample Time: 1233

Well Depth (Bottom) From MP: 56.76 ft * Min. Purge Volume: 1000 mL

Depth to Water From MP: 27.89 ft Total Purge Volume: 1500 mL 2200

Water Column Length: 28.87 ft Final Depth to Water: 25.83 ft

Well Water Volume: 17.48 L Total Drawdown: 2.06 ft

App 7/24/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1153	25.70	100	6.76	2040	18.84	-117	0.22	0.0
2	1156	25.83	100	6.75	2020	18.16	-118	0.12	0.0
3	1159	25.84	100	6.76	2050	18.19	-119	0.14	0.0
4	1202	25.83	100	6.74	2040	18.13	-120	0.12	0.0
5	1205	25.83	100	6.74	2050	18.12	-120	0.11	0.0
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: HORIBA

Sample Appearance:

Odor: ☐ None ☐ Slight ☒ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	P 500mL U

Ferrous Iron — mg/L

Comments * Top of pump App 7/20/25

Sampler's Signature: 

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-17

Purge Method: Dedicated Bladder

Date: 07/22/25 Start Time: 1000 Finish/Sample Time: 1120

Well Depth (Bottom) From MP: 56.61 ft *

Min. Purge Volume: 1000 mL

Depth to Water From MP: 28.11 ft

Total Purge Volume: 1800 mL ³¹⁰⁰

Water Column Length: 28.50 ft

Final Depth to Water: 28.20 ft

Well Water Volume: 17.25 L

Total Drawdown: 0.15 ft

AIP 7/24/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1023	28.26	100	6.87	1670	19.94	-148	0.74	33.1
2	1026	28.26	100	6.86	1650	19.10	-147	0.45	25.2
3	1029	28.26	100	6.86	1650	19.23	-146	0.32	20.0
4	1032	28.26	100	6.86	1650	19.40	-146	0.22	18.4
5	1035	28.26	100	6.85	1650	18.83	-146	0.16	15.2
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	☐
Casing locked/secure	☒	☐
Well cap fits securely.	☒	☐
Good seal/drainage	☒	☐
Well has weep holes	☒	☐

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(4)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	P 500mL U

Ferrous Iron - mg/L

Comments

* Top of Pump App 7/24/25

Sampler's Signature:



WELL/SAMPLE POINT **AW-17 (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	1038	28.20	100	6.84	1660	18.94	-145	0.10	14.1
7	1041	28.20	100	6.84	1650	18.84	-144	0.09	10.9
8	1044	28.20	100	6.84	1650	18.86	-145	0.08	10.3
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:



Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-18

Purge Method: Dedicated Bladder

Date: 7-21-25 Start Time: 1424 Finish/Sample Time: 1533

Well Depth (Bottom) From MP: _____ ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 28.14 ft Total Purge Volume: 1800 mL

Water Column Length: _____ ft Final Depth to Water: 31.89 ft

Well Water Volume: _____ L Total Drawdown: 3.75 ft

ms/cm 7122/2500

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1440	29.02	200	6.90	1.53	24.25	-131	0	41.3
2	1442	29.12	200	6.86	1.59	24.28	-132	0	44.4
3	1444	29.20	200	6.83	1.62	24.31	-131	0	44.2
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

4

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1	GEN 500

Ferrous Iron _____ mg/L

Comments _____

Sampler's Signature: _____

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-19

Purge Method: Dedicated Bladder

Date: 7-21-25 Start Time: 1244 Finish/Sample Time: 1400

Well Depth (Bottom) From MP: _____ ft

Min. Purge Volume: 1000 mL

Depth to Water From MP: 15.35 ft

Total Purge Volume: 2000 mL 4500

Water Column Length: _____ ft

Final Depth to Water: 17.45 ft

Well Water Volume: _____ L

Total Drawdown: 2.10 ft

ms/cu 7/22/25 ALC APP 7/23/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1303	14.17	300	7.29	15.0	25.23	100	0	38.0
2	1305	15.34	300	7.14	1.40	25.21	86	0	44.2
3	1308	15.48	300	7.09	1.43	25.29	44	0	48.4
4	1310	15.66	300	6.99	1.28	25.30	26	0	49.1
5	1312	15.71	300	6.99	1.27	25.28	23	0	50.4
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: HORIBA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

141

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A.V, 40mL, H2SO4)
1	LEAD 500

Ferrous Iron _____ mg/L

Comments _____

Sampler's Signature: _____

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-19 (Cont.)

ms/cm 7/22/25 deb

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	1314	15.75	300	6.97	1.24	25.29	24	Ø	54.4
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Comments

Sampler's Signature:



WELL/SAMPLE POINT **AW-21**

Purge Method: **Dedicated Bladder**

Date: **07/21/25** Start Time: **13:06** Finish/Sample Time: **14:25**

Well Depth (Bottom) From MP: **33.35** ft * Min. Purge Volume: **1000** mL

Depth to Water From MP: **18.41** ft Total Purge Volume: **2200** mL

Water Column Length: **14.94** ft Final Depth to Water: **21.70** ft

Well Water Volume: **9.05** L Total Drawdown: **3.29** ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	13:16	19.39	150	7.30	1050	18.71	247	4.14	36.1
2	13:18	19.45	150	7.28	1050	18.69	245	3.48	36.6
3	13:20	19.56	150	7.29	1050	18.61	244	3.44	32.2
4	13:22	19.62	150	7.29	1040	18.53	242	3.41	26.3
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter:

Horiba

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	☒	
Casing locked/secure	☒	
Well cap fits securely.	☒	
Good seal/drainage	☒	
Well has weep holes	☒	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	RSK-175 (A,V,U, 40mL)
1 + 1	Rad (P, 2.5L, HNO3)
1 + 1	Metals (P, 250mL, HNO3)
1 + 1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

Filtered	
Qty	Bottles
	Metals (P, 250mL, HNO3)
	TOC (A,V, 40mL, H2SO4)
1 + 1	General (P, 1000mL)

4 + 4

Ferrous Iron **2** mg/L

Comments Field dip Top of pump App 7/19/25 ASW 07/21/25

Sampler's Signature: [Signature]

Multiparameter Meter Field Calibration Checklist									
Field Personnel: <u>AJU</u>				Location: <u>Edwards Power Plant</u>					
Weather: <u>Cloudy 80°-85° 5mph Wind E</u>				Environment: <u>grassy overgrown, muddy</u>					
Multiparameter Water Meter		Make: <u>Hanna</u>	Model: <u>DS5000</u>	Serial Number: <u>V7320PRK</u>					
Water Level Meter		Make: <u>Heron</u>	Model: <u>0005-T</u>	Serial Number: <u>3712-T</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.19</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>4.00</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.80</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>7.00</u>	MSI	025066-02	3/24/2027
pH 10.00a	<u>9.99</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	025066-01	3/18/2027
SC Zero (DI)	<u>0.009</u>	µS/cm	0<25 µS/cm	<u>F</u>	<u>yes</u>	<u>0.0</u>	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	<u>1560</u>	µS/cm	±5%	<u>F</u>	<u>yes</u>	<u>2000</u>	Proactive	4GJ1615	Oct-25
ORP	<u>243</u>	mV	±15 mV	<u>P</u>	<u>NO</u>	<u>N/A</u>	In-Situ	5GC1058	Dec-25
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
DO (Saturated)	<u>97.4</u>	%	97-100%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
ICV (Initial Calibration Verification)				Time: <u>12:36</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.	
pH 4.00b	<u>3.94</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GD0333	Apr-27	
pH 7.00b	<u>7.00</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1678	Mar-27	
pH 10.00b	<u>9.95</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1614	Mar-27	
SC 1000	<u>1310</u>	µS/cm	±5%	<u>F</u>	<u>yes / 0.999</u>	Reagents	8405243	Jun-26	
Approx. every 8 hrs, unless only one well									
CCV (Continued Calibration Verification)				Time: <u>16:05</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.04</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.92</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024145-01	5/29/2026
pH 10.00a	<u>10.01</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024072-02	3/21/2026
SC 1000	<u>1030</u>	µS/cm	±5%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Reagents	8405243	Jun-26
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1 mg/L	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
Comments:									
Signature: <u>[Signature]</u>				Date: <u>07/21/25</u>					

Multiparameter Meter Field Calibration Checklist

Field Personnel: KALEB DESKE				Location: EDWARDS					
Weather: 72° CLOUDY 7 MPH W				Environment: GRASSY					
Multiparameter Water Meter		Make: HANNA	Model: U5000	Serial Number: 3T85UNNF					
Water Level Meter		Make: HERON	Model: DIPPER 7	Serial Number: 19FF211101SHB					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.	PASS	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	6.99	s.u.	±0.1 s.u.	FAIL	NO	N/A	MSI	025066-02	3/24/2027
pH 10.00a	10.03	s.u.	±0.1 s.u.	FAIL	NO	N/A	MSI	025066-01	3/18/2027
SC Zero (DI)	9.00	µS/cm	0<25 µS/cm	FAIL	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000	µS/cm	±5%	FAIL	NO	N/A	Proactive	4GJ1615	Oct-25
ORP	230	mV	±15 mV	FAIL	NO	N/A	In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1	FAIL	NO	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	98	%	97-100%	FAIL	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.22	NTU	<2 NTU	FAIL	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
ICV (Initial Calibration Verification)					Time: 1210				
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.	
pH 4.00b	4.01	s.u.	±0.15 s.u.	PASS	NO	Proactive	5GD0333	Apr-27	
pH 7.00b	7.00	s.u.	±0.15 s.u.	FAIL	NO	Proactive	5GC1678	Mar-27	
pH 10.00b	10.00	s.u.	±0.15 s.u.	FAIL	NO	Proactive	5GC1614	Mar-27	
SC 1000	1000	µS/cm	±5%	FAIL	NO	Reagents	8405243	Jun-26	
Approx. every 8 hrs, unless only one well									
CCV (Continued Calibration Verification):					Time: 1540				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.	PASS	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	6.97	s.u.	±0.1 s.u.	FAIL	NO	N/A	MSI	024145-01	5/29/2026
pH 10.00a	10.00	s.u.	±0.1 s.u.	FAIL	NO	N/A	MSI	024072-02	3/21/2026
SC 1000	1000	µS/cm	±5%	FAIL	NO	N/A	Reagents	8405243	Jun-26
DO (Zero pt)	0.01	mg/L	±0.1 mg/L	FAIL	NO	N/A	Macron	#000228049	8/26/2025
Turbidity (DI)	1.01	NTU	<2 NTU	FAIL	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
Comments:									
Signature: 					Date: 07/21/25				

Multiparameter Meter Field Calibration Checklist

Field Personnel: <u>Loren Ross</u>				Location: <u>EDWARDS</u>					
Weather: <u>Cloudy</u>				Environment: <u>GRASSLAND</u>					
Multiparameter Water Meter		Make: <u>Hori-bo</u>	Model: <u>U-5000</u>	Serial Number: <u>YL9KJ9HA</u>					
Water Level Meter		Make: <u>Heron</u>	Model: <u>D-440T</u>	Serial Number: <u>HTF220930SML</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.05</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>N</u>	<u>NA</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.90</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>I</u>	<u>I</u>	MSI	024145-01	5/29/2026
pH 10.00a	<u>10.03</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>I</u>	<u>I</u>	MSI	024072-02	3/21/2026
SC Zero (DI)	<u>10</u>	µS/cm	0<25 µS/cm	<u>P</u>	<u>I</u>	<u>I</u>	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	<u>1900</u>	µS/cm	±5%	<u>P</u>	<u>I</u>	<u>I</u>	Proactive	4GJ1615	Oct-25
ORP	<u>218 @ 25.81</u>	mV	±15 mV	<u>P</u>	<u>I</u>	<u>I</u>	In-Situ	5GC1058	Dec-25
DO (Zero pt)	<u>0</u>	mg/L	±0.1	<u>P</u>	<u>I</u>	<u>I</u>	Macron	#000228049	8/26/2025
DO (Saturated)	<u>99.6</u>	%	97-100%	<u>P</u>	<u>I</u>	<u>I</u>	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	<u>1.2</u>	NTU	<2 NTU	<u>P</u>	<u>N</u>	<u>NA</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
ICV (Initial Calibration Verification)					Time: <u>0746</u>				
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.	
pH 4.00b	<u>3.93</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NA</u>	Proactive	5GD0333	Apr-27	
pH 7.00b	<u>6.91</u>	s.u.	±0.15 s.u.	<u>I</u>	<u>I</u>	Proactive	5GC1678	Mar-27	
pH 10.00b	<u>9.98</u>	s.u.	±0.15 s.u.	<u>I</u>	<u>I</u>	Proactive	5GC1614	Mar-27	
SC 1000	<u>1020</u>	µS/cm	±5%	<u>P</u>	<u>NA</u>	Reagents	8405243	Jun-26	
Approx. every 8 hrs, unless only one well									
CCV (Continued Calibration Verification):					Time: <u>1536</u>				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.01</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>N</u>	<u>NA</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>7.07</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>I</u>	<u>I</u>	MSI	024145-01	5/29/2026
pH 10.00a	<u>9.96</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>I</u>	<u>I</u>	MSI	024072-02	3/21/2026
SC 1000	<u>992</u>	µS/cm	±5%	<u>P</u>	<u>I</u>	<u>I</u>	Reagents	8405243	Jun-26
DO (Zero pt)	<u>0</u>	mg/L	±0.1 mg/L	<u>P</u>	<u>I</u>	<u>I</u>	Macron	#000228049	8/26/2025
Turbidity (DI)	<u>0</u>	NTU	<2 NTU	<u>P</u>	<u>N</u>	<u>NA</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
Comments:									
Signature: <u>[Signature]</u>				Date: <u>7-21-25</u>					

Multiparameter Meter Field Calibration Checklist

Field Personnel: <u>AFW</u>				Location: <u>Edwards Power Plant</u>					
Weather: <u>76°-89° Sunny light Wind SE</u>				Environment: <u>grassy, overgrown, muddy</u>					
Multiparameter Water Meter:		Make: <u>Hanna</u>	Model: <u>U-5000</u>	Serial Number: <u>V7320PKK</u>					
Water Level Meter:		Make: <u>Hanna</u>	Model: <u>Dper-T</u>	Serial Number: <u>3717-T</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.29</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>4.00</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.73</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>7.00</u>	MSI	025066-02	3/24/2027
pH 10.00a	<u>10.00</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	025066-01	3/18/2027
SC Zero (DI)	<u>0.101</u>	µS/cm	0<25 µS/cm	<u>F</u>	<u>yes</u>	<u>0.0</u>	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	<u>1530</u>	µS/cm	±5%	<u>F</u>	<u>yes</u>	<u>2000</u>	Proactive	4GJ1615	Oct-25
ORP	<u>245</u>	mV	±15 mV	<u>P</u>	<u>NO</u>	<u>N/A</u>	In-Situ	5GC1058	Dec-25
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
DO (Saturated)	<u>97.6</u>	%	97-100%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
ICV (Initial Calibration Verification)				Time: <u>8:14</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.	
pH 4.00b	<u>3.88</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GD0333	Apr-27	
pH 7.00b	<u>6.99</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1678	Mar-27	
pH 10.00b	<u>9.95</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1614	Mar-27	
SC 1000	<u>1340</u>	µS/cm	±5%	<u>F</u>	<u>yes / 1000</u>	Reagents	8405243	Jun-26	
Approx. every 8 hrs, unless only one well									
CCV (Continued Calibration Verification):				Time: <u>15:40</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.06</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>7.04</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024145-01	5/29/2026
pH 10.00a	<u>10.01</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024072-02	3/21/2026
SC 1000	<u>1010</u>	µS/cm	±5%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Reagents	8405243	Jun-26
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1 mg/L	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
Comments:									
Signature: <u>[Signature]</u>				Date: <u>07/22/25</u>					

Multiparameter Meter Field Calibration Checklist

Field Personnel: KALEB DESKE			Location: EDWARDS		
Weather: 76° CLOUDY COMFY N/N			Environment: GRASSY		
Multiparameter Water Meter	Make: HANNA	Model: U5000	Serial Number: 3T85ANNUF		
Water Level Meter	Make: HANNA	Model: WT	Serial Number: 19FF211015 HB		

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	Pass	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	025066-02	3/24/2027
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	025066-01	3/18/2027
SC Zero (DI)	1.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000	µS/cm	±5%				Proactive	4GJ1615	Oct-25
ORP	232	mV	±15 mV				In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.01	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.14	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: **0820**

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.78	s.u.	±0.15 s.u.	Pass	NO	Proactive	5GD0333	Apr-27
pH 7.00b	6.64	s.u.	±0.15 s.u.	Fail	7.00	Proactive	5GC1678	Mar-27
pH 10.00b	9.74	s.u.	±0.15 s.u.	L	10.00	Proactive	5GC1614	Mar-27
SC 1000	1000	µS/cm	±5%	Pass	NO	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification)

Time: **1520**

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	s.u.	±0.1 s.u.	Pass	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.01	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1000	µS/cm	±5%				Reagents	8405243	Jun-26
DO (Zero pt)	0.10	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.13	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature: 	Date: 07/22/25
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APP 7/23/25

Multiparameter Meter Field Calibration Checklist									
Field Personnel: <u>ASW</u>				Location: <u>Edwards</u>					
Weather: <u>Rainy</u>				Environment: <u>grassy, overgrown, muddy</u>					
Multiparameter Water Meter		Make: <u>Hanna</u>	Model: <u>0-5000</u>	Serial Number: <u>3-V7320PIKK</u>					
Water Level Meter		Make: <u>Hanna</u>	Model: <u>0100-T</u>	Serial Number: <u>3717-T</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.29</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>4.00</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.71</u>	s.u.	±0.1 s.u.	<u>F</u>	<u>yes</u>	<u>7.00</u>	MSI	025066-02	3/24/2027
pH 10.00a	<u>9.94</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	025066-01	3/18/2027
SC Zero (DI)	<u>0.102</u>	µS/cm	0-25 µS/cm	<u>F</u>	<u>yes</u>	<u>0.0</u>	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	<u>1540</u>	µS/cm	±5%	<u>F</u>	<u>yes</u>	<u>2000</u>	Proactive	4GJ1615	Oct-25
ORP	<u>245</u>	mV	±15 mV	<u>P</u>	<u>NO</u>	<u>N/A</u>	In-Situ	5GC1058	Dec-25
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
DO (Saturated)	<u>98.4</u>	%	97-100%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
ICV (Initial Calibration Verification)				Time: <u>8:00</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.	
pH 4.00b	<u>3.85</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GD0333	Apr-27	
pH 7.00b	<u>7.00</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1678	Mar-27	
pH 10.00b	<u>9.98</u>	s.u.	±0.15 s.u.	<u>P</u>	<u>NO</u>	Proactive	5GC1614	Mar-27	
SC 1000	<u>1410</u>	µS/cm	±5%	<u>F</u>	<u>yes / 1000</u>	Reagents	8405243	Jun-26	
Approx. every 8 hrs, unless only one well									
CCV (Continued Calibration Verification)				Time: <u>10:30</u>					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	<u>4.01</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024140-01	5/21/2026
pH 7.00a	<u>6.98</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024145-01	5/29/2026
pH 10.00a	<u>10.00</u>	s.u.	±0.1 s.u.	<u>P</u>	<u>NO</u>	<u>N/A</u>	MSI	024072-02	3/21/2026
SC 1000	<u>1030</u>	µS/cm	±5%	<u>P</u>	<u>NO</u>	<u>N/A</u>	Reagents	8405243	Jun-26
DO (Zero pt)	<u>0.0</u>	mg/L	±0.1 mg/L	<u>P</u>	<u>NO</u>	<u>N/A</u>	Macron	#000228049	8/26/2025
Turbidity (DI)	<u>0.0</u>	NTU	<2 NTU	<u>P</u>	<u>NO</u>	<u>N/A</u>	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 8 hrs, unless only one well									
Comments:									
Signature: <u>Jay Hester</u>				Date: <u>07/25/25</u>					

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 3, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AP07S	PMP	E010	Antimony, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.003	0.003
AP07S	PMP	E010	Arsenic, total	mg/L	02/10/21 - 07/22/25	19	90	CI around median	0.001	0.0300
AP07S	PMP	E010	Barium, total	mg/L	02/10/21 - 07/22/25	19	0	CI around mean	0.0647	2.07
AP07S	PMP	E010	Beryllium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.00190
AP07S	PMP	E010	Boron, total	mg/L	02/10/21 - 07/22/25	19	0	CB around linear reg	9.78	0.535
AP07S	PMP	E010	Cadmium, total	mg/L	02/10/21 - 07/22/25	19	90	CI around median	0.001	0.00100
AP07S	PMP	E010	Chloride, total	mg/L	02/10/21 - 07/22/25	19	0	CB around linear reg	31.3	56.0
AP07S	PMP	E010	Chromium, total	mg/L	02/10/21 - 07/22/25	19	79	CI around median	0.004	0.0480
AP07S	PMP	E010	Cobalt, total	mg/L	02/10/21 - 07/22/25	19	16	CI around geomean	0.00212	0.0280
AP07S	PMP	E010	Fluoride, total	mg/L	02/10/21 - 07/22/25	19	63	CI around median	0.25	0.396
AP07S	PMP	E010	Lead, total	mg/L	02/10/21 - 07/22/25	19	74	CI around median	0.001	0.0330
AP07S	PMP	E010	Lithium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.02	0.0710
AP07S	PMP	E010	Mercury, total	mg/L	02/10/21 - 07/22/25	19	95	CI around median	0.0002	0.0002
AP07S	PMP	E010	Molybdenum, total	mg/L	02/10/21 - 07/22/25	19	58	CI around median	0.001	0.00620
AP07S	PMP	E010	pH (field)	SU	02/10/21 - 07/22/25	19	0	CB around linear reg	6.8/7.3	6.3/7.1
AP07S	PMP	E010	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 07/22/25	19	0	CI around mean	0.539	9.60
AP07S	PMP	E010	Selenium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.00320
AP07S	PMP	E010	Sulfate, total	mg/L	02/10/21 - 07/22/25	19	0	CI around median	180	6.48
AP07S	PMP	E010	Thallium, total	mg/L	02/10/21 - 07/22/25	19	100	All ND - Last	0.001	0.001
AP07S	PMP	E010	Total Dissolved Solids	mg/L	02/10/21 - 07/22/25	19	0	CI around mean	860	1,050
AW-01	PMP	E010	Antimony, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.003	0.003
AW-01	PMP	E010	Arsenic, total	mg/L	11/18/22 - 07/22/25	14	0	CI around geomean	0.00399	0.0300
AW-01	PMP	E010	Barium, total	mg/L	11/18/22 - 07/22/25	14	0	CI around mean	0.0976	2.07
AW-01	PMP	E010	Beryllium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.00190
AW-01	PMP	E010	Boron, total	mg/L	11/18/22 - 07/22/25	14	0	CI around median	0.072	0.535
AW-01	PMP	E010	Cadmium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.00100
AW-01	PMP	E010	Chloride, total	mg/L	11/18/22 - 07/22/25	14	0	CB around T-S line	-3.37	56.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-01	PMP	E010	Chromium, total	mg/L	11/18/22 - 07/22/25	14	86	CI around median	0.004	0.0480
AW-01	PMP	E010	Cobalt, total	mg/L	11/18/22 - 07/22/25	14	21	CI around mean	0.00259	0.0280
AW-01	PMP	E010	Fluoride, total	mg/L	11/18/22 - 07/22/25	14	64	CI around median	0.25	0.396
AW-01	PMP	E010	Lead, total	mg/L	11/18/22 - 07/22/25	14	79	CI around median	0.001	0.0330
AW-01	PMP	E010	Lithium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.02	0.0710
AW-01	PMP	E010	Mercury, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.0002	0.0002
AW-01	PMP	E010	Molybdenum, total	mg/L	11/18/22 - 07/22/25	14	0	CI around mean	0.00292	0.00620
AW-01	PMP	E010	pH (field)	SU	11/18/22 - 07/22/25	14	0	CI around mean	6.7/7.1	6.3/7.1
AW-01	PMP	E010	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 07/22/25	14	0	CI around median	0.288	9.60
AW-01	PMP	E010	Selenium, total	mg/L	11/18/22 - 07/22/25	14	93	CI around median	0.001	0.00320
AW-01	PMP	E010	Sulfate, total	mg/L	11/18/22 - 07/22/25	14	0	CI around median	41	6.48
AW-01	PMP	E010	Thallium, total	mg/L	11/18/22 - 07/22/25	14	100	All ND - Last	0.001	0.001
AW-01	PMP	E010	Total Dissolved Solids	mg/L	11/18/22 - 07/22/25	14	0	CB around linear reg	559	1,050
AW-05	UA	E010	Antimony, total	mg/L	11/09/15 - 07/21/25	23	96	Most recent sample	0.003	0.003
AW-05	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/21/25	23	0	CB around T-S line	-0.00606	0.0300
AW-05	UA	E010	Barium, total	mg/L	11/09/15 - 07/21/25	23	0	CB around linear reg	-0.0254	2.07
AW-05	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/21/25	22	91	CI around median	0.001	0.00190
AW-05	UA	E010	Boron, total	mg/L	11/09/15 - 07/21/25	24	0	CB around linear reg	6.15	0.535
AW-05	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/21/25	23	91	CI around median	0.001	0.00100
AW-05	UA	E010	Chloride, total	mg/L	11/09/15 - 07/21/25	24	0	CB around T-S line	-62.2	56.0
AW-05	UA	E010	Chromium, total	mg/L	11/09/15 - 07/21/25	23	48	CB around T-S line	-0.00891	0.0480
AW-05	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/21/25	23	35	CB around T-S line	-0.00648	0.0280
AW-05	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/21/25	24	62	CI around median	0.25	0.396
AW-05	UA	E010	Lead, total	mg/L	11/09/15 - 07/21/25	22	46	CI around median	0.001	0.0330
AW-05	UA	E010	Lithium, total	mg/L	11/09/15 - 07/21/25	23	48	CB around T-S line	0.00224	0.0710
AW-05	UA	E010	Mercury, total	mg/L	11/09/15 - 07/21/25	23	96	CI around median	0.0002	0.0002
AW-05	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/21/25	23	0	CB around linear reg	0.00133	0.00620

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-05	UA	E010	pH (field)	SU	11/09/15 - 07/21/25	24	0	CI around median	7.0/7.2	6.3/7.1
AW-05	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/21/25	23	0	CI around median	0.465	9.60
AW-05	UA	E010	Selenium, total	mg/L	11/09/15 - 07/21/25	23	65	CB around T-S line	0.000789	0.00320
AW-05	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/21/25	24	0	CB around T-S line	318	6.48
AW-05	UA	E010	Thallium, total	mg/L	11/09/15 - 07/21/25	22	100	All ND - Last	0.001	0.001
AW-05	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/21/25	24	0	CI around geomean	1,060	1,050
AW-06	UA	E010	Antimony, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.003	0.003
AW-06	UA	E010	Arsenic, total	mg/L	11/10/15 - 07/21/25	29	0	CI around geomean	0.00305	0.0300
AW-06	UA	E010	Barium, total	mg/L	11/10/15 - 07/21/25	29	0	CB around T-S line	0.102	2.07
AW-06	UA	E010	Beryllium, total	mg/L	11/10/15 - 07/21/25	29	90	CI around median	0.001	0.00190
AW-06	UA	E010	Boron, total	mg/L	11/10/15 - 07/21/25	30	0	CB around T-S line	0.0348	0.535
AW-06	UA	E010	Cadmium, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.001	0.00100
AW-06	UA	E010	Chloride, total	mg/L	11/10/15 - 07/21/25	30	0	CI around median	35	56.0
AW-06	UA	E010	Chromium, total	mg/L	11/10/15 - 07/21/25	29	62	CB around T-S line	-0.00259	0.0480
AW-06	UA	E010	Cobalt, total	mg/L	11/10/15 - 07/21/25	29	66	CB around T-S line	-0.00118	0.0280
AW-06	UA	E010	Fluoride, total	mg/L	11/10/15 - 07/21/25	30	7	CI around mean	0.304	0.396
AW-06	UA	E010	Lead, total	mg/L	11/10/15 - 07/21/25	29	48	CB around T-S line	-0.00272	0.0330
AW-06	UA	E010	Lithium, total	mg/L	11/10/15 - 07/21/25	29	59	CI around median	0.02	0.0710
AW-06	UA	E010	Mercury, total	mg/L	11/10/15 - 07/21/25	24	96	CI around median	0.0002	0.0002
AW-06	UA	E010	Molybdenum, total	mg/L	11/10/15 - 07/21/25	29	0	CI around mean	0.00499	0.00620
AW-06	UA	E010	pH (field)	SU	11/10/15 - 07/21/25	30	0	CI around median	7.1/7.3	6.3/7.1
AW-06	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/21/25	29	0	CB around linear reg	-0.15	9.60
AW-06	UA	E010	Selenium, total	mg/L	11/10/15 - 07/21/25	29	79	CI around median	0.001	0.00320
AW-06	UA	E010	Sulfate, total	mg/L	11/10/15 - 07/21/25	30	0	CB around linear reg	16.7	6.48
AW-06	UA	E010	Thallium, total	mg/L	11/10/15 - 07/21/25	24	100	All ND - Last	0.001	0.001
AW-06	UA	E010	Total Dissolved Solids	mg/L	11/10/15 - 07/21/25	30	0	CI around mean	520	1,050
AW-09	UA	E010	Antimony, total	mg/L	11/10/15 - 07/22/25	24	100	All ND - Last	0.003	0.003

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AW-09	UA	E010	Arsenic, total	mg/L	11/10/15 - 07/22/25	29	10	CI around mean	0.0137	0.0300
AW-09	UA	E010	Barium, total	mg/L	11/10/15 - 07/22/25	29	0	CI around geomean	0.314	2.07
AW-09	UA	E010	Beryllium, total	mg/L	11/10/15 - 07/22/25	29	86	CB around T-S line	0.001	0.00190
AW-09	UA	E010	Boron, total	mg/L	11/10/15 - 07/22/25	30	0	CB around linear reg	-0.0259	0.535
AW-09	UA	E010	Cadmium, total	mg/L	11/10/15 - 07/22/25	24	92	CI around median	0.001	0.00100
AW-09	UA	E010	Chloride, total	mg/L	11/10/15 - 07/22/25	30	0	CI around median	27	56.0
AW-09	UA	E010	Chromium, total	mg/L	11/10/15 - 07/22/25	29	66	CB around T-S line	-0.0289	0.0480
AW-09	UA	E010	Cobalt, total	mg/L	11/10/15 - 07/22/25	29	10	CB around T-S line	-0.0152	0.0280
AW-09	UA	E010	Fluoride, total	mg/L	11/10/15 - 07/22/25	30	70	CB around T-S line	0.204	0.396
AW-09	UA	E010	Lead, total	mg/L	11/10/15 - 07/22/25	29	55	CB around T-S line	-0.0191	0.0330
AW-09	UA	E010	Lithium, total	mg/L	11/10/15 - 07/22/25	29	45	CB around T-S line	-0.0181	0.0710
AW-09	UA	E010	Mercury, total	mg/L	11/10/15 - 07/22/25	24	96	CI around median	0.0002	0.0002
AW-09	UA	E010	Molybdenum, total	mg/L	11/10/15 - 07/22/25	29	0	CI around median	0.014	0.00620
AW-09	UA	E010	pH (field)	SU	11/10/15 - 07/22/25	30	0	CI around median	6.9/7.0	6.3/7.1
AW-09	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/22/25	29	0	CI around median	0.791	9.60
AW-09	UA	E010	Selenium, total	mg/L	11/10/15 - 07/22/25	29	72	CB around T-S line	0.0000366	0.00320
AW-09	UA	E010	Sulfate, total	mg/L	11/10/15 - 07/22/25	30	63	CB around T-S line	-19.6	6.48
AW-09	UA	E010	Thallium, total	mg/L	11/10/15 - 07/22/25	24	96	CI around median	0.001	0.001
AW-09	UA	E010	Total Dissolved Solids	mg/L	11/10/15 - 07/22/25	30	0	CB around T-S line	760	1,050
AW-10	UA	E010	Antimony, total	mg/L	11/09/15 - 07/22/25	25	100	All ND - Last	0.003	0.003
AW-10	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/22/25	30	0	CI around median	0.0098	0.0300
AW-10	UA	E010	Barium, total	mg/L	11/09/15 - 07/22/25	30	0	CI around median	0.93	2.07
AW-10	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/22/25	30	80	CI around median	0.001	0.00190
AW-10	UA	E010	Boron, total	mg/L	11/09/15 - 07/22/25	31	0	CI around mean	0.462	0.535
AW-10	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.001	0.00100
AW-10	UA	E010	Chloride, total	mg/L	11/09/15 - 07/22/25	31	0	CI around mean	87	56.0
AW-10	UA	E010	Chromium, total	mg/L	11/09/15 - 07/22/25	30	30	CI around median	0.004	0.0480

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AW-10	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/22/25	30	3	CI around geomean	0.0045	0.0280
AW-10	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/22/25	31	97	CI around median	0.25	0.396
AW-10	UA	E010	Lead, total	mg/L	11/09/15 - 07/22/25	30	10	CI around geomean	0.00259	0.0330
AW-10	UA	E010	Lithium, total	mg/L	11/09/15 - 07/22/25	30	0	CB around T-S line	0.000453	0.0710
AW-10	UA	E010	Mercury, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.0002	0.0002
AW-10	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/22/25	30	20	CI around median	0.0012	0.00620
AW-10	UA	E010	pH (field)	SU	11/09/15 - 07/22/25	32	0	CI around median	7.0/7.1	6.3/7.1
AW-10	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/22/25	30	0	CI around mean	2.46	9.60
AW-10	UA	E010	Selenium, total	mg/L	11/09/15 - 07/22/25	30	70	CB around T-S line	0.000454	0.00320
AW-10	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/22/25	31	84	CB around T-S line	1	6.48
AW-10	UA	E010	Thallium, total	mg/L	11/09/15 - 07/22/25	25	96	CI around median	0.001	0.001
AW-10	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/22/25	31	0	CI around median	1,100	1,050
AW-11	UA	E010	Antimony, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.003	0.003
AW-11	UA	E010	Arsenic, total	mg/L	11/09/15 - 07/25/25	29	0	CB around T-S line	0.00556	0.0300
AW-11	UA	E010	Barium, total	mg/L	11/09/15 - 07/25/25	29	0	CI around median	0.85	2.07
AW-11	UA	E010	Beryllium, total	mg/L	11/09/15 - 07/25/25	29	83	CI around median	0.001	0.00190
AW-11	UA	E010	Boron, total	mg/L	11/09/15 - 07/25/25	30	0	CI around mean	0.227	0.535
AW-11	UA	E010	Cadmium, total	mg/L	11/09/15 - 07/25/25	24	88	CI around median	0.001	0.00100
AW-11	UA	E010	Chloride, total	mg/L	11/09/15 - 07/25/25	30	0	CI around mean	31.9	56.0
AW-11	UA	E010	Chromium, total	mg/L	11/09/15 - 07/25/25	29	62	CB around T-S line	-0.0158	0.0480
AW-11	UA	E010	Cobalt, total	mg/L	11/09/15 - 07/25/25	29	41	CB around T-S line	-0.00341	0.0280
AW-11	UA	E010	Fluoride, total	mg/L	11/09/15 - 07/25/25	30	90	CI around median	0.25	0.396
AW-11	UA	E010	Lead, total	mg/L	11/09/15 - 07/25/25	29	48	CB around T-S line	-0.00597	0.0330
AW-11	UA	E010	Lithium, total	mg/L	11/09/15 - 07/25/25	29	21	CB around T-S line	-0.0102	0.0710
AW-11	UA	E010	Mercury, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.0002	0.0002
AW-11	UA	E010	Molybdenum, total	mg/L	11/09/15 - 07/25/25	29	21	CB around linear reg	-0.00128	0.00620
AW-11	UA	E010	pH (field)	SU	11/09/15 - 07/25/25	30	0	CI around median	6.9/7.2	6.3/7.1

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AW-11	UA	E010	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/25/25	29	0	CI around median	1.91	9.60
AW-11	UA	E010	Selenium, total	mg/L	11/09/15 - 07/25/25	29	76	CB around T-S line	0.000452	0.00320
AW-11	UA	E010	Sulfate, total	mg/L	11/09/15 - 07/25/25	30	73	CB around T-S line	0.492	6.48
AW-11	UA	E010	Thallium, total	mg/L	11/09/15 - 07/25/25	24	100	All ND - Last	0.001	0.001
AW-11	UA	E010	Total Dissolved Solids	mg/L	11/09/15 - 07/25/25	30	0	CB around T-S line	942	1,050
AW-14	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.003	0.003
AW-14	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	18	0	CB around T-S line	-0.00187	0.0300
AW-14	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	18	0	CI around mean	0.624	2.07
AW-14	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.00190
AW-14	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	18	0	CI around median	0.18	0.535
AW-14	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.00100
AW-14	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	18	0	CI around median	24	56.0
AW-14	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.004	0.0480
AW-14	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	18	44	CB around T-S line	-0.00597	0.0280
AW-14	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	18	78	CI around median	0.25	0.396
AW-14	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	18	78	CI around median	0.001	0.0330
AW-14	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	18	72	CB around T-S line	0.0139	0.0710
AW-14	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	18	94	CI around median	0.0002	0.0002
AW-14	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	18	39	CB around T-S line	-0.0384	0.00620
AW-14	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	18	0	CI around median	6.8/7.0	6.3/7.1
AW-14	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	18	0	CI around mean	2.18	9.60
AW-14	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	18	89	CI around median	0.001	0.00320
AW-14	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	18	11	CI around geomean	1.93	6.48
AW-14	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	18	100	All ND - Last	0.001	0.001
AW-14	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	18	0	CI around median	960	1,050
AW-15	UA	E010	Antimony, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.003	0.003
AW-15	UA	E010	Arsenic, total	mg/L	02/12/21 - 07/22/25	16	6	CI around mean	0.00152	0.0300

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AW-15	UA	E010	Barium, total	mg/L	02/12/21 - 07/22/25	16	0	CI around mean	1.66	2.07
AW-15	UA	E010	Beryllium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.00190
AW-15	UA	E010	Boron, total	mg/L	02/12/21 - 07/22/25	16	0	CI around mean	0.355	0.535
AW-15	UA	E010	Cadmium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.00100
AW-15	UA	E010	Chloride, total	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	34.2	56.0
AW-15	UA	E010	Chromium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.004	0.0480
AW-15	UA	E010	Cobalt, total	mg/L	02/12/21 - 07/22/25	16	94	CI around median	0.002	0.0280
AW-15	UA	E010	Fluoride, total	mg/L	02/12/21 - 07/22/25	16	88	CI around median	0.25	0.396
AW-15	UA	E010	Lead, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.0330
AW-15	UA	E010	Lithium, total	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	0.0293	0.0710
AW-15	UA	E010	Mercury, total	mg/L	02/12/21 - 07/22/25	16	94	CI around median	0.0002	0.0002
AW-15	UA	E010	Molybdenum, total	mg/L	02/12/21 - 07/22/25	16	88	CI around median	0.001	0.00620
AW-15	UA	E010	pH (field)	SU	02/12/21 - 07/22/25	15	0	CI around median	6.7/7.0	6.3/7.1
AW-15	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/22/25	16	0	CI around mean	4.02	9.60
AW-15	UA	E010	Selenium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.00320
AW-15	UA	E010	Sulfate, total	mg/L	02/12/21 - 07/22/25	16	94	Most recent sample	1	6.48
AW-15	UA	E010	Thallium, total	mg/L	02/12/21 - 07/22/25	16	100	All ND - Last	0.001	0.001
AW-15	UA	E010	Total Dissolved Solids	mg/L	02/12/21 - 07/22/25	16	0	CI around geomean	957	1,050
AW-15S	PMP	E010	Antimony, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.003	0.003
AW-15S	PMP	E010	Arsenic, total	mg/L	02/12/21 - 07/22/25	19	74	CI around median	0.001	0.0300
AW-15S	PMP	E010	Barium, total	mg/L	02/12/21 - 07/22/25	19	0	CB around T-S line	0.0429	2.07
AW-15S	PMP	E010	Beryllium, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.001	0.00190
AW-15S	PMP	E010	Boron, total	mg/L	02/12/21 - 07/22/25	19	0	CI around mean	5.66	0.535
AW-15S	PMP	E010	Cadmium, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.001	0.00100
AW-15S	PMP	E010	Chloride, total	mg/L	02/12/21 - 07/22/25	19	0	CB around linear reg	22.1	56.0
AW-15S	PMP	E010	Chromium, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.004	0.0480
AW-15S	PMP	E010	Cobalt, total	mg/L	02/12/21 - 07/22/25	19	95	CI around median	0.002	0.0280

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AW-15S	PMP	E010	Fluoride, total	mg/L	02/12/21 - 07/22/25	19	42	CI around median	0.25	0.396
AW-15S	PMP	E010	Lead, total	mg/L	02/12/21 - 07/22/25	19	90	CI around median	0.001	0.0330
AW-15S	PMP	E010	Lithium, total	mg/L	02/12/21 - 07/22/25	19	90	CI around median	0.02	0.0710
AW-15S	PMP	E010	Mercury, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.0002	0.0002
AW-15S	PMP	E010	Molybdenum, total	mg/L	02/12/21 - 07/22/25	19	0	CB around linear reg	0.00201	0.00620
AW-15S	PMP	E010	pH (field)	SU	02/12/21 - 07/22/25	19	0	CI around median	6.8/7.0	6.3/7.1
AW-15S	PMP	E010	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/22/25	18	0	CI around mean	0.478	9.60
AW-15S	PMP	E010	Selenium, total	mg/L	02/12/21 - 07/22/25	19	42	CI around median	0.001	0.00320
AW-15S	PMP	E010	Sulfate, total	mg/L	02/12/21 - 07/22/25	19	0	CI around mean	523	6.48
AW-15S	PMP	E010	Thallium, total	mg/L	02/12/21 - 07/22/25	19	100	All ND - Last	0.001	0.001
AW-15S	PMP	E010	Total Dissolved Solids	mg/L	02/12/21 - 07/22/25	19	0	CI around median	1,200	1,050
AW-16	UA	E010	Antimony, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.003	0.003
AW-16	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/22/25	19	21	CI around mean	0.00102	0.0300
AW-16	UA	E010	Barium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.965	2.07
AW-16	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00190
AW-16	UA	E010	Boron, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.376	0.535
AW-16	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00100
AW-16	UA	E010	Chloride, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	42.7	56.0
AW-16	UA	E010	Chromium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.004	0.0480
AW-16	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.002	0.0280
AW-16	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.25	0.396
AW-16	UA	E010	Lead, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.0330
AW-16	UA	E010	Lithium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around T-S line	0.0188	0.0710
AW-16	UA	E010	Mercury, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.0002	0.0002
AW-16	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.001	0.00620
AW-16	UA	E010	pH (field)	SU	02/11/21 - 07/22/25	19	0	CI around mean	6.6/6.8	6.3/7.1
AW-16	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/22/25	19	0	CB around linear reg	1.63	9.60

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-16	UA	E010	Selenium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00320
AW-16	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/22/25	19	90	CI around median	1	6.48
AW-16	UA	E010	Thallium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.001
AW-16	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/22/25	19	0	CI around median	1,100	1,050
AW-17	UA	E010	Antimony, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.003	0.003
AW-17	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.00232	0.0300
AW-17	UA	E010	Barium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.886	2.07
AW-17	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00190
AW-17	UA	E010	Boron, total	mg/L	02/11/21 - 07/22/25	19	0	CB around linear reg	0.373	0.535
AW-17	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00100
AW-17	UA	E010	Chloride, total	mg/L	02/11/21 - 07/22/25	19	0	CI around mean	51.8	56.0
AW-17	UA	E010	Chromium, total	mg/L	02/11/21 - 07/22/25	19	79	CI around median	0.004	0.0480
AW-17	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/22/25	19	21	CB around linear reg	0.000419	0.0280
AW-17	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.25	0.396
AW-17	UA	E010	Lead, total	mg/L	02/11/21 - 07/22/25	19	79	CI around median	0.001	0.0330
AW-17	UA	E010	Lithium, total	mg/L	02/11/21 - 07/22/25	19	0	CB around T-S line	0.0013	0.0710
AW-17	UA	E010	Mercury, total	mg/L	02/11/21 - 07/22/25	19	95	CI around median	0.0002	0.0002
AW-17	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/22/25	19	63	CB around T-S line	-0.000146	0.00620
AW-17	UA	E010	pH (field)	SU	02/11/21 - 07/22/25	19	0	CI around mean	6.7/7.0	6.3/7.1
AW-17	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/22/25	19	0	CI around mean	2.41	9.60
AW-17	UA	E010	Selenium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.00320
AW-17	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	1	6.48
AW-17	UA	E010	Thallium, total	mg/L	02/11/21 - 07/22/25	19	100	All ND - Last	0.001	0.001
AW-17	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/22/25	19	0	CI around mean	867	1,050
AW-18	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.003
AW-18	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	0	CI around geomean	0.00327	0.0300
AW-18	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	1.25	2.07

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-18	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00190
AW-18	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.674	0.535
AW-18	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00100
AW-18	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	86.6	56.0
AW-18	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	90	CI around median	0.004	0.0480
AW-18	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	84	CI around median	0.002	0.0280
AW-18	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	68	CB around T-S line	-3.82	0.396
AW-18	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	84	CI around median	0.001	0.0330
AW-18	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	-0.019	0.0710
AW-18	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.0002
AW-18	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	-0.00843	0.00620
AW-18	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around mean	6.7/6.9	6.3/7.1
AW-18	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	2.63	9.60
AW-18	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	95	CI around median	0.001	0.00320
AW-18	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	-5.04	6.48
AW-18	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.001
AW-18	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	825	1,050
AW-19	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.003
AW-19	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.0116	0.0300
AW-19	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	0.18	2.07
AW-19	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00190
AW-19	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	2.92	0.535
AW-19	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00100
AW-19	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	76.2	56.0
AW-19	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	79	CI around median	0.004	0.0480
AW-19	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	79	CI around median	0.002	0.0280
AW-19	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	26	CB around linear reg	0.19	0.396

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-19	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	63	CB around T-S line	-0.00217	0.0330
AW-19	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	79	CB around T-S line	0.0138	0.0710
AW-19	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.0002
AW-19	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	0.0036	0.00620
AW-19	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around mean	6.8/7.1	6.3/7.1
AW-19	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	0.55	9.60
AW-19	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00320
AW-19	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	55.1	6.48
AW-19	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.001
AW-19	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	608	1,050
AW-21	UA	E010	Antimony, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.003	0.003
AW-21	UA	E010	Arsenic, total	mg/L	02/11/21 - 07/21/25	19	21	CI around geomean	0.0011	0.0300
AW-21	UA	E010	Barium, total	mg/L	02/11/21 - 07/21/25	19	0	CB around linear reg	0.0446	2.07
AW-21	UA	E010	Beryllium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00190
AW-21	UA	E010	Boron, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	10.3	0.535
AW-21	UA	E010	Cadmium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.00100
AW-21	UA	E010	Chloride, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	82.7	56.0
AW-21	UA	E010	Chromium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.004	0.0480
AW-21	UA	E010	Cobalt, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.002	0.0280
AW-21	UA	E010	Fluoride, total	mg/L	02/11/21 - 07/21/25	19	5	CB around linear reg	0.144	0.396
AW-21	UA	E010	Lead, total	mg/L	02/11/21 - 07/21/25	19	95	CI around median	0.001	0.0330
AW-21	UA	E010	Lithium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.02	0.0710
AW-21	UA	E010	Mercury, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.0002	0.0002
AW-21	UA	E010	Molybdenum, total	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	0.0174	0.00620
AW-21	UA	E010	pH (field)	SU	02/11/21 - 07/21/25	19	0	CI around median	7.2/7.3	6.3/7.1
AW-21	UA	E010	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/21/25	19	0	CI around mean	0.503	9.60
AW-21	UA	E010	Selenium, total	mg/L	02/11/21 - 07/21/25	19	53	CB around T-S line	0.001	0.00320

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-21	UA	E010	Sulfate, total	mg/L	02/11/21 - 07/21/25	19	0	CI around median	230	6.48
AW-21	UA	E010	Thallium, total	mg/L	02/11/21 - 07/21/25	19	100	All ND - Last	0.001	0.001
AW-21	UA	E010	Total Dissolved Solids	mg/L	02/11/21 - 07/21/25	19	0	CI around mean	659	1,050

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) as part of Illinois Power Resources Generating, LLC’s (IPRG’s) operating permit application for the Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPRG has not identified any actual exceedances.

Events:

E010 = Quarter 3, 2025 sampling event

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

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 linear reg = Confidence band around linear regression

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

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