Luminant

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

May 1, 2025

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles
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 1, 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 exceedances[1] of the GWPS.

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

A Corrective Measures Assessment (CMA) for the Ash Pond was initiated on December 7, 2023, completed, and submitted to IEPA on 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 will ultimately select a remedy to address all releases from the Ash Pond. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before June 4, 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 1, 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 Groundwater Protection Standards (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. 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 EXCEEDANCES[1]
QUARTER 1, 2025
ASH POND, EDWARDS POWER PLANT, BARTONVILLE, ILLINOIS

May 1, 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 March 2, 2025.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 1, 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 1, 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], constituent concentrations observed at compliance monitoring wells in Quarter 1, 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

FIGURES

ATTACHMENTS

[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 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.

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E008	02/06/2025	Antimony, total	0.00043 U	mg/L
AP05S	Background	E008	02/06/2025	Arsenic, total	0.00160	mg/L
AP05S	Background	E008	02/06/2025	Barium, total	0.970	mg/L
AP05S	Background	E008	02/06/2025	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E008	02/06/2025	Boron, total	0.340	mg/L
AP05S	Background	E008	02/06/2025	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E008	02/06/2025	Calcium, total	110	mg/L
AP05S	Background	E008	02/06/2025	Chloride, total	47.0	mg/L
AP05S	Background	E008	02/06/2025	Chromium, total	0.0028 U	mg/L
AP05S	Background	E008	02/06/2025	Cobalt, total	0.0017 J	mg/L
AP05S	Background	E008	02/06/2025	Dissolved Oxygen	0	mg/L
AP05S	Background	E008	02/06/2025	Fluoride, total	0.172 UJ	mg/L
AP05S	Background	E008	02/06/2025	Lead, total	0.00091 J	mg/L
AP05S	Background	E008	02/06/2025	Lithium, total	0.0320	mg/L
AP05S	Background	E008	02/06/2025	Mercury, total	0.00014 U	mg/L
AP05S	Background	E008	02/06/2025	Molybdenum, total	0.00074 U	mg/L
AP05S	Background	E008	02/06/2025	Oxidation Reduction Potential	-43.0	mV
AP05S	Background	E008	02/06/2025	pH (field)	9.1	SU
AP05S	Background	E008	02/06/2025	Radium 226 + Radium 228, total	3.86	pCi/L
AP05S	Background	E008	02/06/2025	Selenium, total	0.00074 U	mg/L
AP05S	Background	E008	02/06/2025	Specific Conductance @ 25C (field)	1,440	micromhos/cm
AP05S	Background	E008	02/06/2025	Sulfate, total	0.39 J-	mg/L
AP05S	Background	E008	02/06/2025	Temperature	10.7	degrees C
AP05S	Background	E008	02/06/2025	Thallium, total	0.00038 U	mg/L
AP05S	Background	E008	02/06/2025	Total Dissolved Solids	800 J	mg/L
AP05S	Background	E008	02/06/2025	Turbidity, field	33.4	NTU
AW-08	Background	E008	02/05/2025	Antimony, total	0.00043 U	mg/L
AW-08	Background	E008	02/05/2025	Arsenic, total	0.0130	mg/L
AW-08	Background	E008	02/05/2025	Barium, total	0.350	mg/L
AW-08	Background	E008	02/05/2025	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E008	02/05/2025	Boron, total	0.130	mg/L
AW-08	Background	E008	02/05/2025	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E008	02/05/2025	Calcium, total	150	mg/L
AW-08	Background	E008	02/05/2025	Chloride, total	17.0	mg/L
AW-08	Background	E008	02/05/2025	Chromium, total	0.0028 U	mg/L
AW-08	Background	E008	02/05/2025	Cobalt, total	0.00048 U	mg/L
AW-08	Background	E008	02/05/2025	Dissolved Oxygen	0	mg/L
AW-08	Background	E008	02/05/2025	Fluoride, total	0.246 J	mg/L
AW-08	Background	E008	02/05/2025	Lead, total	0.00022 U	mg/L
AW-08	Background	E008	02/05/2025	Lithium, total	0.011 J	mg/L
AW-08	Background	E008	02/05/2025	Mercury, total	0.00019 J	mg/L
AW-08	Background	E008	02/05/2025	Molybdenum, total	0.00096 J	mg/L
AW-08	Background	E008	02/05/2025	Oxidation Reduction Potential	12.0	mV
AW-08	Background	E008	02/05/2025	pH (field)	9.4	SU
AW-08	Background	E008	02/05/2025	Radium 226 + Radium 228, total	1.53	pCi/L
AW-08	Background	E008	02/05/2025	Selenium, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E008	02/05/2025	Specific Conductance @ 25C (field)	1,180	micromhos/cm
AW-08	Background	E008	02/05/2025	Sulfate, total	0.18 J-	mg/L
AW-08	Background	E008	02/05/2025	Temperature	10.0	degrees C
AW-08	Background	E008	02/05/2025	Thallium, total	0.00038 U	mg/L
AW-08	Background	E008	02/05/2025	Total Dissolved Solids	780 J	mg/L
AW-08	Background	E008	02/05/2025	Turbidity, field	60.8	NTU
AP07S	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E008	02/04/2025	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E008	02/04/2025	Barium, total	0.0440	mg/L
AP07S	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E008	02/04/2025	Boron, total	9.10	mg/L
AP07S	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E008	02/04/2025	Calcium, total	120	mg/L
AP07S	Compliance	E008	02/04/2025	Chloride, total	71.0	mg/L
AP07S	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E008	02/04/2025	Cobalt, total	0.00240	mg/L
AP07S	Compliance	E008	02/04/2025	Dissolved Oxygen	0.990	mg/L
AP07S	Compliance	E008	02/04/2025	Fluoride, total	0.366	mg/L
AP07S	Compliance	E008	02/04/2025	Lead, total	0.00029 J	mg/L
AP07S	Compliance	E008	02/04/2025	Lithium, total	0.005 U	mg/L
AP07S	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AP07S	Compliance	E008	02/04/2025	Molybdenum, total	0.00140	mg/L
AP07S	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-49.0	mV
AP07S	Compliance	E008	02/04/2025	pH (field)	6.9	SU
AP07S	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	0.929	pCi/L
AP07S	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,580	micromhos/cm
AP07S	Compliance	E008	02/04/2025	Sulfate, total	190	mg/L
AP07S	Compliance	E008	02/04/2025	Temperature	12.2	degrees C
AP07S	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E008	02/04/2025	Total Dissolved Solids	700	mg/L
AP07S	Compliance	E008	02/04/2025	Turbidity, field	57.7	NTU
AW-01	Compliance	E008	01/31/2025	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E008	01/31/2025	Arsenic, total	0.00540	mg/L
AW-01	Compliance	E008	01/31/2025	Barium, total	0.100	mg/L
AW-01	Compliance	E008	01/31/2025	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E008	01/31/2025	Boron, total	0.0830	mg/L
AW-01	Compliance	E008	01/31/2025	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E008	01/31/2025	Calcium, total	170	mg/L
AW-01	Compliance	E008	01/31/2025	Chloride, total	9.00	mg/L
AW-01	Compliance	E008	01/31/2025	Chromium, total	0.003 J	mg/L
AW-01	Compliance	E008	01/31/2025	Cobalt, total	0.00290	mg/L
AW-01	Compliance	E008	01/31/2025	Dissolved Oxygen	2.70	mg/L
AW-01	Compliance	E008	01/31/2025	Fluoride, total	0.24 J	mg/L
AW-01	Compliance	E008	01/31/2025	Lead, total	0.00130	mg/L
AW-01	Compliance	E008	01/31/2025	Lithium, total	0.0082 J	mg/L

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BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E008	01/31/2025	Mercury, total	0.00014 U	mg/L
AW-01	Compliance	E008	01/31/2025	Molybdenum, total	0.00290	mg/L
AW-01	Compliance	E008	01/31/2025	Oxidation Reduction Potential	-115	mV
AW-01	Compliance	E008	01/31/2025	pH (field)	6.7	SU
AW-01	Compliance	E008	01/31/2025	Radium 226 + Radium 228, total	0.896	pCi/L
AW-01	Compliance	E008	01/31/2025	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E008	01/31/2025	Specific Conductance @ 25C (field)	1,450	micromhos/cm
AW-01	Compliance	E008	01/31/2025	Sulfate, total	40.0	mg/L
AW-01	Compliance	E008	01/31/2025	Temperature	12.6	degrees C
AW-01	Compliance	E008	01/31/2025	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E008	01/31/2025	Total Dissolved Solids	700	mg/L
AW-01	Compliance	E008	01/31/2025	Turbidity, field	69.0	NTU
AW-05	Compliance	E008	02/06/2025	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E008	02/06/2025	Arsenic, total	0.00130	mg/L
AW-05	Compliance	E008	02/06/2025	Barium, total	0.0640	mg/L
AW-05	Compliance	E008	02/06/2025	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E008	02/06/2025	Boron, total	11.0	mg/L
AW-05	Compliance	E008	02/06/2025	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E008	02/06/2025	Calcium, total	180	mg/L
AW-05	Compliance	E008	02/06/2025	Chloride, total	85.0	mg/L
AW-05	Compliance	E008	02/06/2025	Chromium, total	0.0028 U	mg/L
AW-05	Compliance	E008	02/06/2025	Cobalt, total	0.001 J	mg/L
AW-05	Compliance	E008	02/06/2025	Dissolved Oxygen	0.160	mg/L
AW-05	Compliance	E008	02/06/2025	Fluoride, total	0.330	mg/L
AW-05	Compliance	E008	02/06/2025	Lead, total	0.00023 J	mg/L
AW-05	Compliance	E008	02/06/2025	Lithium, total	0.01 J	mg/L
AW-05	Compliance	E008	02/06/2025	Mercury, total	0.00014 U	mg/L
AW-05	Compliance	E008	02/06/2025	Molybdenum, total	0.00170	mg/L
AW-05	Compliance	E008	02/06/2025	Oxidation Reduction Potential	126	mV
AW-05	Compliance	E008	02/06/2025	pH (field)	10.4	SU
AW-05	Compliance	E008	02/06/2025	Radium 226 + Radium 228, total	0.664	pCi/L
AW-05	Compliance	E008	02/06/2025	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E008	02/06/2025	Specific Conductance @ 25C (field)	1,470	micromhos/cm
AW-05	Compliance	E008	02/06/2025	Sulfate, total	480	mg/L
AW-05	Compliance	E008	02/06/2025	Temperature	9.50	degrees C
AW-05	Compliance	E008	02/06/2025	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E008	02/06/2025	Total Dissolved Solids	1,200	mg/L
AW-05	Compliance	E008	02/06/2025	Turbidity, field	485	NTU
AW-06	Compliance	E008	02/03/2025	Antimony, total	0.00043 U	mg/L
AW-06	Compliance	E008	02/03/2025	Arsenic, total	0.00200	mg/L
AW-06	Compliance	E008	02/03/2025	Barium, total	0.160	mg/L
AW-06	Compliance	E008	02/03/2025	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E008	02/03/2025	Boron, total	0.150	mg/L
AW-06	Compliance	E008	02/03/2025	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E008	02/03/2025	Calcium, total	110	mg/L
AW-06	Compliance	E008	02/03/2025	Chloride, total	39.0	mg/L

TABLE 1.
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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	E008	02/03/2025	Chromium, total	0.0028 U	mg/L
AW-06	Compliance	E008	02/03/2025	Cobalt, total	0.00048 U	mg/L
AW-06	Compliance	E008	02/03/2025	Dissolved Oxygen	2.60	mg/L
AW-06	Compliance	E008	02/03/2025	Fluoride, total	0.352	mg/L
AW-06	Compliance	E008	02/03/2025	Lead, total	0.00022 U	mg/L
AW-06	Compliance	E008	02/03/2025	Lithium, total	0.014 J	mg/L
AW-06	Compliance	E008	02/03/2025	Mercury, total	0.00014 U	mg/L
AW-06	Compliance	E008	02/03/2025	Molybdenum, total	0.00420	mg/L
AW-06	Compliance	E008	02/03/2025	Oxidation Reduction Potential	-151	mV
AW-06	Compliance	E008	02/03/2025	pH (field)	7.1	SU
AW-06	Compliance	E008	02/03/2025	Radium 226 + Radium 228, total	0.204	pCi/L
AW-06	Compliance	E008	02/03/2025	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E008	02/03/2025	Specific Conductance @ 25C (field)	1,030	micromhos/cm
AW-06	Compliance	E008	02/03/2025	Sulfate, total	22.0	mg/L
AW-06	Compliance	E008	02/03/2025	Temperature	16.4	degrees C
AW-06	Compliance	E008	02/03/2025	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E008	02/03/2025	Total Dissolved Solids	550 J	mg/L
AW-06	Compliance	E008	02/03/2025	Turbidity, field	81.7	NTU
AW-09	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E008	02/04/2025	Arsenic, total	0.0200	mg/L
AW-09	Compliance	E008	02/04/2025	Barium, total	0.390	mg/L
AW-09	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E008	02/04/2025	Boron, total	0.370	mg/L
AW-09	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E008	02/04/2025	Calcium, total	120	mg/L
AW-09	Compliance	E008	02/04/2025	Chloride, total	29.0	mg/L
AW-09	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-09	Compliance	E008	02/04/2025	Cobalt, total	0.0019 J	mg/L
AW-09	Compliance	E008	02/04/2025	Dissolved Oxygen	5.30	mg/L
AW-09	Compliance	E008	02/04/2025	Fluoride, total	0.204 J	mg/L
AW-09	Compliance	E008	02/04/2025	Lead, total	0.00024 J	mg/L
AW-09	Compliance	E008	02/04/2025	Lithium, total	0.017 J	mg/L
AW-09	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-09	Compliance	E008	02/04/2025	Molybdenum, total	0.0160	mg/L
AW-09	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-101	mV
AW-09	Compliance	E008	02/04/2025	pH (field)	7.9	SU
AW-09	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	0.791	pCi/L
AW-09	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,280	micromhos/cm
AW-09	Compliance	E008	02/04/2025	Sulfate, total	0.51 J	mg/L
AW-09	Compliance	E008	02/04/2025	Temperature	10.0	degrees C
AW-09	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E008	02/04/2025	Total Dissolved Solids	760	mg/L
AW-09	Compliance	E008	02/04/2025	Turbidity, field	98.3	NTU
AW-10	Compliance	E008	02/05/2025	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E008	02/05/2025	Arsenic, total	0.00810	mg/L

TABLE 1.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E008	02/05/2025	Barium, total	0.810	mg/L
AW-10	Compliance	E008	02/05/2025	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E008	02/05/2025	Boron, total	0.460	mg/L
AW-10	Compliance	E008	02/05/2025	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E008	02/05/2025	Calcium, total	140	mg/L
AW-10	Compliance	E008	02/05/2025	Chloride, total	86.0	mg/L
AW-10	Compliance	E008	02/05/2025	Chromium, total	0.0120	mg/L
AW-10	Compliance	E008	02/05/2025	Cobalt, total	0.00970	mg/L
AW-10	Compliance	E008	02/05/2025	Dissolved Oxygen	3.60	mg/L
AW-10	Compliance	E008	02/05/2025	Fluoride, total	0.2 U	mg/L
AW-10	Compliance	E008	02/05/2025	Lead, total	0.00990	mg/L
AW-10	Compliance	E008	02/05/2025	Lithium, total	0.0430	mg/L
AW-10	Compliance	E008	02/05/2025	Mercury, total	0.00016 J	mg/L
AW-10	Compliance	E008	02/05/2025	Molybdenum, total	0.00170	mg/L
AW-10	Compliance	E008	02/05/2025	Oxidation Reduction Potential	-86.0	mV
AW-10	Compliance	E008	02/05/2025	pH (field)	10.4	SU
AW-10	Compliance	E008	02/05/2025	Radium 226 + Radium 228, total	3.41	pCi/L
AW-10	Compliance	E008	02/05/2025	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E008	02/05/2025	Specific Conductance @ 25C (field)	1,740	micromhos/cm
AW-10	Compliance	E008	02/05/2025	Sulfate, total	0.16 J	mg/L
AW-10	Compliance	E008	02/05/2025	Temperature	9.50	degrees C
AW-10	Compliance	E008	02/05/2025	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E008	02/05/2025	Total Dissolved Solids	1,100	mg/L
AW-10	Compliance	E008	02/05/2025	Turbidity, field	75.7	NTU
AW-11	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-11	Compliance	E008	02/04/2025	Arsenic, total	0.00910	mg/L
AW-11	Compliance	E008	02/04/2025	Barium, total	1.20	mg/L
AW-11	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E008	02/04/2025	Boron, total	0.290	mg/L
AW-11	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E008	02/04/2025	Calcium, total	150	mg/L
AW-11	Compliance	E008	02/04/2025	Chloride, total	36.0	mg/L
AW-11	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E008	02/04/2025	Cobalt, total	0.00099 J	mg/L
AW-11	Compliance	E008	02/04/2025	Dissolved Oxygen	0.970	mg/L
AW-11	Compliance	E008	02/04/2025	Fluoride, total	0.172 U	mg/L
AW-11	Compliance	E008	02/04/2025	Lead, total	0.00022 U	mg/L
AW-11	Compliance	E008	02/04/2025	Lithium, total	0.0210	mg/L
AW-11	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-11	Compliance	E008	02/04/2025	Molybdenum, total	0.00074 U	mg/L
AW-11	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-171	mV
AW-11	Compliance	E008	02/04/2025	pH (field)	6.9	SU
AW-11	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	2.35	pCi/L
AW-11	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,870	micromhos/cm
AW-11	Compliance	E008	02/04/2025	Sulfate, total	0.27 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E008	02/04/2025	Temperature	9.00	degrees C
AW-11	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E008	02/04/2025	Total Dissolved Solids	940	mg/L
AW-11	Compliance	E008	02/04/2025	Turbidity, field	107	NTU
AW-14	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-14	Compliance	E008	02/04/2025	Arsenic, total	0.00130	mg/L
AW-14	Compliance	E008	02/04/2025	Barium, total	0.470	mg/L
AW-14	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E008	02/04/2025	Boron, total	0.180	mg/L
AW-14	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E008	02/04/2025	Calcium, total	170	mg/L
AW-14	Compliance	E008	02/04/2025	Chloride, total	25.0	mg/L
AW-14	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E008	02/04/2025	Cobalt, total	0.0017 J	mg/L
AW-14	Compliance	E008	02/04/2025	Dissolved Oxygen	0	mg/L
AW-14	Compliance	E008	02/04/2025	Fluoride, total	0.631	mg/L
AW-14	Compliance	E008	02/04/2025	Lead, total	0.00024 J	mg/L
AW-14	Compliance	E008	02/04/2025	Lithium, total	0.015 J	mg/L
AW-14	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-14	Compliance	E008	02/04/2025	Molybdenum, total	0.00074 U	mg/L
AW-14	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-93.0	mV
AW-14	Compliance	E008	02/04/2025	pH (field)	7.6	SU
AW-14	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	3.02	pCi/L
AW-14	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AW-14	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,540	micromhos/cm
AW-14	Compliance	E008	02/04/2025	Sulfate, total	1.20	mg/L
AW-14	Compliance	E008	02/04/2025	Temperature	10.8	degrees C
AW-14	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E008	02/04/2025	Total Dissolved Solids	1,000	mg/L
AW-14	Compliance	E008	02/04/2025	Turbidity, field	33.4	NTU
AW-15	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E008	02/04/2025	Arsenic, total	0.00200	mg/L
AW-15	Compliance	E008	02/04/2025	Barium, total	1.80	mg/L
AW-15	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E008	02/04/2025	Boron, total	0.370	mg/L
AW-15	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E008	02/04/2025	Calcium, total	140	mg/L
AW-15	Compliance	E008	02/04/2025	Chloride, total	35.0	mg/L
AW-15	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E008	02/04/2025	Cobalt, total	0.0015 J	mg/L
AW-15	Compliance	E008	02/04/2025	Dissolved Oxygen	0	mg/L
AW-15	Compliance	E008	02/04/2025	Fluoride, total	0.172 U	mg/L
AW-15	Compliance	E008	02/04/2025	Lead, total	0.00022 U	mg/L
AW-15	Compliance	E008	02/04/2025	Lithium, total	0.0330	mg/L
AW-15	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E008	02/04/2025	Molybdenum, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-61.0	mV
AW-15	Compliance	E008	02/04/2025	pH (field)	7.5	SU
AW-15	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	4.48	pCi/L
AW-15	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,680	micromhos/cm
AW-15	Compliance	E008	02/04/2025	Sulfate, total	0.42 J	mg/L
AW-15	Compliance	E008	02/04/2025	Temperature	11.4	degrees C
AW-15	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E008	02/04/2025	Total Dissolved Solids	940	mg/L
AW-15	Compliance	E008	02/04/2025	Turbidity, field	52.0	NTU
AW-15S	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Barium, total	0.0710	mg/L
AW-15S	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Boron, total	6.60	mg/L
AW-15S	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Calcium, total	260	mg/L
AW-15S	Compliance	E008	02/04/2025	Chloride, total	31.0	mg/L
AW-15S	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Dissolved Oxygen	0	mg/L
AW-15S	Compliance	E008	02/04/2025	Fluoride, total	0.265	mg/L
AW-15S	Compliance	E008	02/04/2025	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Lithium, total	0.015 J	mg/L
AW-15S	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Molybdenum, total	0.00260	mg/L
AW-15S	Compliance	E008	02/04/2025	Oxidation Reduction Potential	20.0	mV
AW-15S	Compliance	E008	02/04/2025	pH (field)	8.1	SU
AW-15S	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	1.28	pCi/L
AW-15S	Compliance	E008	02/04/2025	Selenium, total	0.00200	mg/L
AW-15S	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,480	micromhos/cm
AW-15S	Compliance	E008	02/04/2025	Sulfate, total	520	mg/L
AW-15S	Compliance	E008	02/04/2025	Temperature	10.0	degrees C
AW-15S	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E008	02/04/2025	Total Dissolved Solids	1,300	mg/L
AW-15S	Compliance	E008	02/04/2025	Turbidity, field	60.1	NTU
AW-16	Compliance	E008	01/31/2025	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E008	01/31/2025	Arsenic, total	0.00100	mg/L
AW-16	Compliance	E008	01/31/2025	Barium, total	1.10	mg/L
AW-16	Compliance	E008	01/31/2025	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E008	01/31/2025	Boron, total	0.450	mg/L
AW-16	Compliance	E008	01/31/2025	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E008	01/31/2025	Calcium, total	140	mg/L
AW-16	Compliance	E008	01/31/2025	Chloride, total	48.0	mg/L
AW-16	Compliance	E008	01/31/2025	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E008	01/31/2025	Cobalt, total	0.0014 J	mg/L

TABLE 1.
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ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E008	01/31/2025	Dissolved Oxygen	0.550	mg/L
AW-16	Compliance	E008	01/31/2025	Fluoride, total	0.2 U	mg/L
AW-16	Compliance	E008	01/31/2025	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E008	01/31/2025	Lithium, total	0.0360	mg/L
AW-16	Compliance	E008	01/31/2025	Mercury, total	0.00016 J	mg/L
AW-16	Compliance	E008	01/31/2025	Molybdenum, total	0.00180	mg/L
AW-16	Compliance	E008	01/31/2025	Oxidation Reduction Potential	-142	mV
AW-16	Compliance	E008	01/31/2025	pH (field)	6.7	SU
AW-16	Compliance	E008	01/31/2025	Radium 226 + Radium 228, total	4.52	pCi/L
AW-16	Compliance	E008	01/31/2025	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E008	01/31/2025	Specific Conductance @ 25C (field)	2,260	micromhos/cm
AW-16	Compliance	E008	01/31/2025	Sulfate, total	0.13 U	mg/L
AW-16	Compliance	E008	01/31/2025	Temperature	11.4	degrees C
AW-16	Compliance	E008	01/31/2025	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E008	01/31/2025	Total Dissolved Solids	1,100	mg/L
AW-16	Compliance	E008	01/31/2025	Turbidity, field	4.10	NTU
AW-17	Compliance	E008	02/04/2025	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E008	02/04/2025	Arsenic, total	0.00370	mg/L
AW-17	Compliance	E008	02/04/2025	Barium, total	1.00	mg/L
AW-17	Compliance	E008	02/04/2025	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E008	02/04/2025	Boron, total	0.390	mg/L
AW-17	Compliance	E008	02/04/2025	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E008	02/04/2025	Calcium, total	110	mg/L
AW-17	Compliance	E008	02/04/2025	Chloride, total	56.0	mg/L
AW-17	Compliance	E008	02/04/2025	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E008	02/04/2025	Cobalt, total	0.0017 J	mg/L
AW-17	Compliance	E008	02/04/2025	Dissolved Oxygen	0	mg/L
AW-17	Compliance	E008	02/04/2025	Fluoride, total	0.172 U	mg/L
AW-17	Compliance	E008	02/04/2025	Lead, total	0.00022 U	mg/L
AW-17	Compliance	E008	02/04/2025	Lithium, total	0.0330	mg/L
AW-17	Compliance	E008	02/04/2025	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E008	02/04/2025	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E008	02/04/2025	Oxidation Reduction Potential	-85.0	mV
AW-17	Compliance	E008	02/04/2025	pH (field)	7.4	SU
AW-17	Compliance	E008	02/04/2025	Radium 226 + Radium 228, total	3.06	pCi/L
AW-17	Compliance	E008	02/04/2025	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E008	02/04/2025	Specific Conductance @ 25C (field)	1,520	micromhos/cm
AW-17	Compliance	E008	02/04/2025	Sulfate, total	0.32 J	mg/L
AW-17	Compliance	E008	02/04/2025	Temperature	10.6	degrees C
AW-17	Compliance	E008	02/04/2025	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E008	02/04/2025	Total Dissolved Solids	890	mg/L
AW-17	Compliance	E008	02/04/2025	Turbidity, field	57.8	NTU
AW-18	Compliance	E008	01/31/2025	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E008	01/31/2025	Arsenic, total	0.00280	mg/L
AW-18	Compliance	E008	01/31/2025	Barium, total	1.30	mg/L
AW-18	Compliance	E008	01/31/2025	Beryllium, total	0.00059 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-18	Compliance	E008	01/31/2025	Boron, total	1.30	mg/L
AW-18	Compliance	E008	01/31/2025	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E008	01/31/2025	Calcium, total	120	mg/L
AW-18	Compliance	E008	01/31/2025	Chloride, total	83.0	mg/L
AW-18	Compliance	E008	01/31/2025	Chromium, total	0.0028 U	mg/L
AW-18	Compliance	E008	01/31/2025	Cobalt, total	0.00073 J	mg/L
AW-18	Compliance	E008	01/31/2025	Dissolved Oxygen	0.470	mg/L
AW-18	Compliance	E008	01/31/2025	Fluoride, total	0.2 U	mg/L
AW-18	Compliance	E008	01/31/2025	Lead, total	0.00044 J	mg/L
AW-18	Compliance	E008	01/31/2025	Lithium, total	0.0200	mg/L
AW-18	Compliance	E008	01/31/2025	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E008	01/31/2025	Molybdenum, total	0.00320	mg/L
AW-18	Compliance	E008	01/31/2025	Oxidation Reduction Potential	-144	mV
AW-18	Compliance	E008	01/31/2025	pH (field)	6.8	SU
AW-18	Compliance	E008	01/31/2025	Radium 226 + Radium 228, total	4.39	pCi/L
AW-18	Compliance	E008	01/31/2025	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E008	01/31/2025	Specific Conductance @ 25C (field)	1,930	micromhos/cm
AW-18	Compliance	E008	01/31/2025	Sulfate, total	4.10	mg/L
AW-18	Compliance	E008	01/31/2025	Temperature	12.2	degrees C
AW-18	Compliance	E008	01/31/2025	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E008	01/31/2025	Total Dissolved Solids	890	mg/L
AW-18	Compliance	E008	01/31/2025	Turbidity, field	102	NTU
AW-19	Compliance	E008	01/31/2025	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E008	01/31/2025	Arsenic, total	0.0110	mg/L
AW-19	Compliance	E008	01/31/2025	Barium, total	0.190	mg/L
AW-19	Compliance	E008	01/31/2025	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E008	01/31/2025	Boron, total	3.30	mg/L
AW-19	Compliance	E008	01/31/2025	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E008	01/31/2025	Calcium, total	130	mg/L
AW-19	Compliance	E008	01/31/2025	Chloride, total	72.0	mg/L
AW-19	Compliance	E008	01/31/2025	Chromium, total	0.0028 U	mg/L
AW-19	Compliance	E008	01/31/2025	Cobalt, total	0.00086 J	mg/L
AW-19	Compliance	E008	01/31/2025	Dissolved Oxygen	0.910	mg/L
AW-19	Compliance	E008	01/31/2025	Fluoride, total	0.215 J	mg/L
AW-19	Compliance	E008	01/31/2025	Lead, total	0.00056 J	mg/L
AW-19	Compliance	E008	01/31/2025	Lithium, total	0.012 J	mg/L
AW-19	Compliance	E008	01/31/2025	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E008	01/31/2025	Molybdenum, total	0.00420	mg/L
AW-19	Compliance	E008	01/31/2025	Oxidation Reduction Potential	-83.0	mV
AW-19	Compliance	E008	01/31/2025	pH (field)	7.0	SU
AW-19	Compliance	E008	01/31/2025	Radium 226 + Radium 228, total	1.22	pCi/L
AW-19	Compliance	E008	01/31/2025	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E008	01/31/2025	Specific Conductance @ 25C (field)	1,180	micromhos/cm
AW-19	Compliance	E008	01/31/2025	Sulfate, total	52.0	mg/L
AW-19	Compliance	E008	01/31/2025	Temperature	14.0	degrees C
AW-19	Compliance	E008	01/31/2025	Thallium, total	0.00038 U	mg/L

TABLE 1.
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ASH POND
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E008	01/31/2025	Total Dissolved Solids	620	mg/L
AW-19	Compliance	E008	01/31/2025	Turbidity, field	30.0	NTU
AW-21	Compliance	E008	02/03/2025	Antimony, total	0.00062 J	mg/L
AW-21	Compliance	E008	02/03/2025	Arsenic, total	0.00130	mg/L
AW-21	Compliance	E008	02/03/2025	Barium, total	0.0510	mg/L
AW-21	Compliance	E008	02/03/2025	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E008	02/03/2025	Boron, total	10.0	mg/L
AW-21	Compliance	E008	02/03/2025	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E008	02/03/2025	Calcium, total	120	mg/L
AW-21	Compliance	E008	02/03/2025	Chloride, total	83.0	mg/L
AW-21	Compliance	E008	02/03/2025	Chromium, total	0.0028 U	mg/L
AW-21	Compliance	E008	02/03/2025	Cobalt, total	0.00049 J	mg/L
AW-21	Compliance	E008	02/03/2025	Dissolved Oxygen	2.40	mg/L
AW-21	Compliance	E008	02/03/2025	Fluoride, total	0.289	mg/L
AW-21	Compliance	E008	02/03/2025	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E008	02/03/2025	Lithium, total	0.0062 J	mg/L
AW-21	Compliance	E008	02/03/2025	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E008	02/03/2025	Molybdenum, total	0.0210	mg/L
AW-21	Compliance	E008	02/03/2025	Oxidation Reduction Potential	-18.0	mV
AW-21	Compliance	E008	02/03/2025	pH (field)	7.2	SU
AW-21	Compliance	E008	02/03/2025	Radium 226 + Radium 228, total	1.27	pCi/L
AW-21	Compliance	E008	02/03/2025	Selenium, total	0.00150	mg/L
AW-21	Compliance	E008	02/03/2025	Specific Conductance @ 25C (field)	1,070	micromhos/cm
AW-21	Compliance	E008	02/03/2025	Sulfate, total	250	mg/L
AW-21	Compliance	E008	02/03/2025	Temperature	15.1	degrees C
AW-21	Compliance	E008	02/03/2025	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E008	02/03/2025	Total Dissolved Solids	680	mg/L
AW-21	Compliance	E008	02/03/2025	Turbidity, field	6.80	NTU

Notes:
C = Celsius
cm = centimeter
Events:
E008 = Quarter 1, 2025 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = 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 low.
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 1, 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	E008	Antimony, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AP07S	PMP	E008	Arsenic, total	mg/L	02/10/21 - 02/04/25	17	88	CI around median	0.001	0.0300	Background	No Exceedance
AP07S	PMP	E008	Barium, total	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	0.0657	2.07	Background	No Exceedance
AP07S	PMP	E008	Beryllium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AP07S	PMP	E008	Boron, total	mg/L	02/10/21 - 02/04/25	17	0	CB around linear reg	9.07	2	Standard	Exceedance
AP07S	PMP	E008	Cadmium, total	mg/L	02/10/21 - 02/04/25	17	88	CI around median	0.001	0.005	Standard	No Exceedance
AP07S	PMP	E008	Chloride, total	mg/L	02/10/21 - 02/04/25	17	0	CI around median	73	200	Standard	No Exceedance
AP07S	PMP	E008	Chromium, total	mg/L	02/10/21 - 02/04/25	17	76	CI around median	0.004	0.1	Standard	No Exceedance
AP07S	PMP	E008	Cobalt, total	mg/L	02/10/21 - 02/04/25	17	12	CI around mean	0.00208	0.0280	Background	No Exceedance
AP07S	PMP	E008	Fluoride, total	mg/L	02/10/21 - 02/04/25	17	65	CI around median	0.25	4.0	Standard	No Exceedance
AP07S	PMP	E008	Lead, total	mg/L	02/10/21 - 02/04/25	17	71	CI around median	0.001	0.0330	Background	No Exceedance
AP07S	PMP	E008	Lithium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AP07S	PMP	E008	Mercury, total	mg/L	02/10/21 - 02/04/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
AP07S	PMP	E008	Molybdenum, total	mg/L	02/10/21 - 02/04/25	17	53	CI around median	0.001	0.1	Standard	No Exceedance
AP07S	PMP	E008	pH (field)	SU	02/10/21 - 02/04/25	17	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AP07S	PMP	E008	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 02/04/25	17	0	CI around mean	0.638	9.60	Background	No Exceedance
AP07S	PMP	E008	Selenium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AP07S	PMP	E008	Sulfate, total	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	234	400	Standard	No Exceedance
AP07S	PMP	E008	Thallium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AP07S	PMP	E008	Total Dissolved Solids	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	844	1,200	Standard	No Exceedance
AW-01	PMP	E008	Antimony, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-01	PMP	E008	Arsenic, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.00361	0.0300	Background	No Exceedance
AW-01	PMP	E008	Barium, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.1	2.07	Background	No Exceedance
AW-01	PMP	E008	Beryllium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-01	PMP	E008	Boron, total	mg/L	11/18/22 - 01/31/25	12	0	CI around median	0.072	2	Standard	No Exceedance
AW-01	PMP	E008	Cadmium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-01	PMP	E008	Chloride, total	mg/L	11/18/22 - 01/31/25	12	0	CB around T-S line	-45.1	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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-01	PMP	E008	Chromium, total	mg/L	11/18/22 - 01/31/25	12	83	CI around median	0.004	0.1	Standard	No Exceedance
AW-01	PMP	E008	Cobalt, total	mg/L	11/18/22 - 01/31/25	12	17	CI around mean	0.00273	0.0280	Background	No Exceedance
AW-01	PMP	E008	Fluoride, total	mg/L	11/18/22 - 01/31/25	12	58	CI around median	0.25	4.0	Standard	No Exceedance
AW-01	PMP	E008	Lead, total	mg/L	11/18/22 - 01/31/25	12	75	CI around median	0.001	0.0330	Background	No Exceedance
AW-01	PMP	E008	Lithium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-01	PMP	E008	Mercury, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-01	PMP	E008	Molybdenum, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.00281	0.1	Standard	No Exceedance
AW-01	PMP	E008	pH (field)	SU	11/18/22 - 01/31/25	12	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-01	PMP	E008	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 01/31/25	12	0	CI around median	0.288	9.60	Background	No Exceedance
AW-01	PMP	E008	Selenium, total	mg/L	11/18/22 - 01/31/25	12	92	CI around median	0.001	0.05	Standard	No Exceedance
AW-01	PMP	E008	Sulfate, total	mg/L	11/18/22 - 01/31/25	12	0	CI around median	41	400	Standard	No Exceedance
AW-01	PMP	E008	Thallium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-01	PMP	E008	Total Dissolved Solids	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	741	1,200	Standard	No Exceedance
AW-05	UA	E008	Antimony, total	mg/L	11/09/15 - 02/06/25	21	95	Most recent sample	0.003	0.006	Standard	No Exceedance
AW-05	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/06/25	21	0	CB around T-S line	-0.00638	0.0300	Background	No Exceedance
AW-05	UA	E008	Barium, total	mg/L	11/09/15 - 02/06/25	21	0	CB around linear reg	-0.024	2.07	Background	No Exceedance
AW-05	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/06/25	20	90	CI around median	0.001	0.004	Standard	No Exceedance
AW-05	UA	E008	Boron, total	mg/L	11/09/15 - 02/06/25	22	0	CB around linear reg	5.15	2	Standard	Exceedance
AW-05	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/06/25	21	90	CI around median	0.001	0.005	Standard	No Exceedance
AW-05	UA	E008	Chloride, total	mg/L	11/09/15 - 02/06/25	22	0	CB around T-S line	-76.4	200	Standard	No Exceedance
AW-05	UA	E008	Chromium, total	mg/L	11/09/15 - 02/06/25	21	43	CI around median	0.004	0.1	Standard	No Exceedance
AW-05	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/06/25	21	29	CI around geomean	0.00311	0.0280	Background	No Exceedance
AW-05	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/06/25	22	59	CI around median	0.25	4.0	Standard	No Exceedance
AW-05	UA	E008	Lead, total	mg/L	11/09/15 - 02/06/25	20	40	CI around median	0.001	0.0330	Background	No Exceedance
AW-05	UA	E008	Lithium, total	mg/L	11/09/15 - 02/06/25	21	43	CB around T-S line	-0.00016	0.0710	Background	No Exceedance
AW-05	UA	E008	Mercury, total	mg/L	11/09/15 - 02/06/25	21	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-05	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/06/25	21	0	CI around mean	0.00202	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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-05	UA	E008	pH (field)	SU	11/09/15 - 02/06/25	22	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-05	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/06/25	21	0	CI around geomean	0.553	9.60	Background	No Exceedance
AW-05	UA	E008	Selenium, total	mg/L	11/09/15 - 02/06/25	21	62	CB around T-S line	0.000794	0.05	Standard	No Exceedance
AW-05	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/06/25	22	0	CB around T-S line	293	400	Standard	No Exceedance
AW-05	UA	E008	Thallium, total	mg/L	11/09/15 - 02/06/25	20	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-05	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/06/25	22	0	CI around geomean	1,050	1,200	Standard	No Exceedance
AW-06	UA	E008	Antimony, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-06	UA	E008	Arsenic, total	mg/L	11/10/15 - 02/03/25	27	0	CI around geomean	0.00324	0.0300	Background	No Exceedance
AW-06	UA	E008	Barium, total	mg/L	11/10/15 - 02/03/25	27	0	CI around median	0.18	2.07	Background	No Exceedance
AW-06	UA	E008	Beryllium, total	mg/L	11/10/15 - 02/03/25	27	89	CI around median	0.001	0.004	Standard	No Exceedance
AW-06	UA	E008	Boron, total	mg/L	11/10/15 - 02/03/25	28	0	CB around T-S line	0.0336	2	Standard	No Exceedance
AW-06	UA	E008	Cadmium, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-06	UA	E008	Chloride, total	mg/L	11/10/15 - 02/03/25	28	0	CI around median	34	200	Standard	No Exceedance
AW-06	UA	E008	Chromium, total	mg/L	11/10/15 - 02/03/25	27	59	CB around T-S line	-0.00383	0.1	Standard	No Exceedance
AW-06	UA	E008	Cobalt, total	mg/L	11/10/15 - 02/03/25	27	63	CB around T-S line	-0.00106	0.0280	Background	No Exceedance
AW-06	UA	E008	Fluoride, total	mg/L	11/10/15 - 02/03/25	28	7	CB around T-S line	0.223	4.0	Standard	No Exceedance
AW-06	UA	E008	Lead, total	mg/L	11/10/15 - 02/03/25	27	44	CB around T-S line	-0.00312	0.0330	Background	No Exceedance
AW-06	UA	E008	Lithium, total	mg/L	11/10/15 - 02/03/25	27	56	CI around median	0.02	0.0710	Background	No Exceedance
AW-06	UA	E008	Mercury, total	mg/L	11/10/15 - 02/03/25	22	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-06	UA	E008	Molybdenum, total	mg/L	11/10/15 - 02/03/25	27	0	CI around mean	0.005	0.1	Standard	No Exceedance
AW-06	UA	E008	pH (field)	SU	11/10/15 - 02/03/25	28	0	CI around median	7.1/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-06	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/03/25	27	0	CI around mean	0.692	9.60	Background	No Exceedance
AW-06	UA	E008	Selenium, total	mg/L	11/10/15 - 02/03/25	27	78	CI around median	0.001	0.05	Standard	No Exceedance
AW-06	UA	E008	Sulfate, total	mg/L	11/10/15 - 02/03/25	28	0	CB around linear reg	17.4	400	Standard	No Exceedance
AW-06	UA	E008	Thallium, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-06	UA	E008	Total Dissolved Solids	mg/L	11/10/15 - 02/03/25	28	0	CI around mean	520	1,200	Standard	No Exceedance
AW-09	UA	E008	Antimony, total	mg/L	11/10/15 - 02/04/25	22	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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-09	UA	E008	Arsenic, total	mg/L	11/10/15 - 02/04/25	27	11	CI around mean	0.013	0.0300	Background	No Exceedance
AW-09	UA	E008	Barium, total	mg/L	11/10/15 - 02/04/25	27	0	CI around geomean	0.307	2.07	Background	No Exceedance
AW-09	UA	E008	Beryllium, total	mg/L	11/10/15 - 02/04/25	27	85	CB around T-S line	0.000465	0.004	Standard	No Exceedance
AW-09	UA	E008	Boron, total	mg/L	11/10/15 - 02/04/25	28	0	CB around linear reg	-0.0452	2	Standard	No Exceedance
AW-09	UA	E008	Cadmium, total	mg/L	11/10/15 - 02/04/25	22	91	CI around median	0.001	0.005	Standard	No Exceedance
AW-09	UA	E008	Chloride, total	mg/L	11/10/15 - 02/04/25	28	0	CB around T-S line	23.9	200	Standard	No Exceedance
AW-09	UA	E008	Chromium, total	mg/L	11/10/15 - 02/04/25	27	63	CB around T-S line	-0.0347	0.1	Standard	No Exceedance
AW-09	UA	E008	Cobalt, total	mg/L	11/10/15 - 02/04/25	27	7	CB around T-S line	-0.0201	0.0280	Background	No Exceedance
AW-09	UA	E008	Fluoride, total	mg/L	11/10/15 - 02/04/25	28	68	CB around T-S line	0.192	4.0	Standard	No Exceedance
AW-09	UA	E008	Lead, total	mg/L	11/10/15 - 02/04/25	27	52	CB around T-S line	-0.0222	0.0330	Background	No Exceedance
AW-09	UA	E008	Lithium, total	mg/L	11/10/15 - 02/04/25	27	41	CB around T-S line	-0.03	0.0710	Background	No Exceedance
AW-09	UA	E008	Mercury, total	mg/L	11/10/15 - 02/04/25	22	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-09	UA	E008	Molybdenum, total	mg/L	11/10/15 - 02/04/25	27	0	CI around mean	0.0145	0.1	Standard	No Exceedance
AW-09	UA	E008	pH (field)	SU	11/10/15 - 02/04/25	28	0	CI around median	6.9/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-09	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/04/25	27	0	CI around median	0.791	9.60	Background	No Exceedance
AW-09	UA	E008	Selenium, total	mg/L	11/10/15 - 02/04/25	27	70	CB around T-S line	-0.000916	0.05	Standard	No Exceedance
AW-09	UA	E008	Sulfate, total	mg/L	11/10/15 - 02/04/25	28	61	CB around T-S line	-21.3	400	Standard	No Exceedance
AW-09	UA	E008	Thallium, total	mg/L	11/10/15 - 02/04/25	22	96	CI around median	0.001	0.002	Standard	No Exceedance
AW-09	UA	E008	Total Dissolved Solids	mg/L	11/10/15 - 02/04/25	28	0	CB around T-S line	772	1,200	Standard	No Exceedance
AW-10	UA	E008	Antimony, total	mg/L	11/09/15 - 02/05/25	23	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-10	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/05/25	28	0	CI around median	0.0097	0.0300	Background	No Exceedance
AW-10	UA	E008	Barium, total	mg/L	11/09/15 - 02/05/25	28	0	CI around median	0.9	2.07	Background	No Exceedance
AW-10	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/05/25	28	79	CI around median	0.001	0.004	Standard	No Exceedance
AW-10	UA	E008	Boron, total	mg/L	11/09/15 - 02/05/25	29	0	CI around mean	0.462	2	Standard	No Exceedance
AW-10	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.001	0.005	Standard	No Exceedance
AW-10	UA	E008	Chloride, total	mg/L	11/09/15 - 02/05/25	29	0	CI around mean	86.8	200	Standard	No Exceedance
AW-10	UA	E008	Chromium, total	mg/L	11/09/15 - 02/05/25	28	32	CI around median	0.004	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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-10	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/05/25	28	4	CI around geomean	0.00415	0.0280	Background	No Exceedance
AW-10	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/05/25	29	97	CI around median	0.25	4.0	Standard	No Exceedance
AW-10	UA	E008	Lead, total	mg/L	11/09/15 - 02/05/25	28	11	CI around geomean	0.00232	0.0330	Background	No Exceedance
AW-10	UA	E008	Lithium, total	mg/L	11/09/15 - 02/05/25	28	0	CB around T-S line	-0.00665	0.0710	Background	No Exceedance
AW-10	UA	E008	Mercury, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.0002	0.002	Standard	No Exceedance
AW-10	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/05/25	28	21	CI around median	0.0012	0.1	Standard	No Exceedance
AW-10	UA	E008	pH (field)	SU	11/09/15 - 02/05/25	30	0	CI around median	7.0/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-10	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/05/25	28	0	CI around geomean	2.14	9.60	Background	No Exceedance
AW-10	UA	E008	Selenium, total	mg/L	11/09/15 - 02/05/25	28	68	CB around T-S line	-0.00003	0.05	Standard	No Exceedance
AW-10	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/05/25	29	83	CB around T-S line	1	400	Standard	No Exceedance
AW-10	UA	E008	Thallium, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.001	0.002	Standard	No Exceedance
AW-10	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/05/25	29	0	CI around median	1,100	1,200	Standard	No Exceedance
AW-11	UA	E008	Antimony, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-11	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/04/25	27	0	CI around geomean	0.00902	0.0300	Background	No Exceedance
AW-11	UA	E008	Barium, total	mg/L	11/09/15 - 02/04/25	27	0	CI around median	0.84	2.07	Background	No Exceedance
AW-11	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/04/25	27	82	CI around median	0.001	0.004	Standard	No Exceedance
AW-11	UA	E008	Boron, total	mg/L	11/09/15 - 02/04/25	28	0	CI around mean	0.226	2	Standard	No Exceedance
AW-11	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/04/25	22	86	CI around median	0.001	0.005	Standard	No Exceedance
AW-11	UA	E008	Chloride, total	mg/L	11/09/15 - 02/04/25	28	0	CI around mean	31.7	200	Standard	No Exceedance
AW-11	UA	E008	Chromium, total	mg/L	11/09/15 - 02/04/25	27	59	CB around T-S line	-0.0182	0.1	Standard	No Exceedance
AW-11	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/04/25	27	37	CB around T-S line	-0.00677	0.0280	Background	No Exceedance
AW-11	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/04/25	28	89	CI around median	0.25	4.0	Standard	No Exceedance
AW-11	UA	E008	Lead, total	mg/L	11/09/15 - 02/04/25	27	44	CB around T-S line	-0.00865	0.0330	Background	No Exceedance
AW-11	UA	E008	Lithium, total	mg/L	11/09/15 - 02/04/25	27	18	CB around T-S line	-0.0108	0.0710	Background	No Exceedance
AW-11	UA	E008	Mercury, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-11	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/04/25	27	15	CB around linear reg	-0.00144	0.1	Standard	No Exceedance
AW-11	UA	E008	pH (field)	SU	11/09/15 - 02/04/25	28	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/04/25	27	0	CI around geomean	1.62	9.60	Background	No Exceedance
AW-11	UA	E008	Selenium, total	mg/L	11/09/15 - 02/04/25	27	74	CB around T-S line	0.000269	0.05	Standard	No Exceedance
AW-11	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/04/25	28	71	CB around T-S line	0.22	400	Standard	No Exceedance
AW-11	UA	E008	Thallium, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-11	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/04/25	28	0	CB around T-S line	942	1,200	Standard	No Exceedance
AW-14	UA	E008	Antimony, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.003	0.006	Standard	No Exceedance
AW-14	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/04/25	16	0	CB around T-S line	-0.00183	0.0300	Background	No Exceedance
AW-14	UA	E008	Barium, total	mg/L	02/11/21 - 02/04/25	16	0	CI around mean	0.62	2.07	Background	No Exceedance
AW-14	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-14	UA	E008	Boron, total	mg/L	02/11/21 - 02/04/25	16	0	CI around median	0.18	2	Standard	No Exceedance
AW-14	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-14	UA	E008	Chloride, total	mg/L	02/11/21 - 02/04/25	16	0	CI around median	24	200	Standard	No Exceedance
AW-14	UA	E008	Chromium, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.004	0.1	Standard	No Exceedance
AW-14	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/04/25	16	38	CB around T-S line	-0.00866	0.0280	Background	No Exceedance
AW-14	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/04/25	16	75	CI around median	0.25	4.0	Standard	No Exceedance
AW-14	UA	E008	Lead, total	mg/L	02/11/21 - 02/04/25	16	75	CI around median	0.001	0.0330	Background	No Exceedance
AW-14	UA	E008	Lithium, total	mg/L	02/11/21 - 02/04/25	16	69	CB around T-S line	0.0129	0.0710	Background	No Exceedance
AW-14	UA	E008	Mercury, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-14	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/04/25	16	38	CI around median	0.001	0.1	Standard	No Exceedance
AW-14	UA	E008	pH (field)	SU	02/11/21 - 02/04/25	16	0	CI around median	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-14	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/04/25	16	0	CI around mean	2.1	9.60	Background	No Exceedance
AW-14	UA	E008	Selenium, total	mg/L	02/11/21 - 02/04/25	16	88	CI around median	0.001	0.05	Standard	No Exceedance
AW-14	UA	E008	Sulfate, total	mg/L	02/11/21 - 02/04/25	16	12	CI around geomean	1.8	400	Standard	No Exceedance
AW-14	UA	E008	Thallium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-14	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/04/25	16	0	CI around median	960	1,200	Standard	No Exceedance
AW-15	UA	E008	Antimony, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15	UA	E008	Arsenic, total	mg/L	02/12/21 - 02/04/25	14	7	CI around mean	0.00149	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	E008	Barium, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	1.66	2.07	Background	No Exceedance
AW-15	UA	E008	Beryllium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-15	UA	E008	Boron, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	0.35	2	Standard	No Exceedance
AW-15	UA	E008	Cadmium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15	UA	E008	Chloride, total	mg/L	02/12/21 - 02/04/25	14	0	CI around geomean	33.7	200	Standard	No Exceedance
AW-15	UA	E008	Chromium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-15	UA	E008	Cobalt, total	mg/L	02/12/21 - 02/04/25	14	93	CI around median	0.002	0.0280	Background	No Exceedance
AW-15	UA	E008	Fluoride, total	mg/L	02/12/21 - 02/04/25	14	86	CI around median	0.25	4.0	Standard	No Exceedance
AW-15	UA	E008	Lead, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-15	UA	E008	Lithium, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	0.0291	0.0710	Background	No Exceedance
AW-15	UA	E008	Mercury, total	mg/L	02/12/21 - 02/04/25	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-15	UA	E008	Molybdenum, total	mg/L	02/12/21 - 02/04/25	14	86	CI around median	0.001	0.1	Standard	No Exceedance
AW-15	UA	E008	pH (field)	SU	02/12/21 - 02/04/25	13	0	CI around median	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/04/25	14	0	CI around mean	3.83	9.60	Background	No Exceedance
AW-15	UA	E008	Selenium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-15	UA	E008	Sulfate, total	mg/L	02/12/21 - 02/04/25	14	93	Most recent sample	1	400	Standard	No Exceedance
AW-15	UA	E008	Thallium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15	UA	E008	Total Dissolved Solids	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	945	1,200	Standard	No Exceedance
AW-15S	PMP	E008	Antimony, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15S	PMP	E008	Arsenic, total	mg/L	02/12/21 - 02/04/25	17	71	CI around median	0.001	0.0300	Background	No Exceedance
AW-15S	PMP	E008	Barium, total	mg/L	02/12/21 - 02/04/25	17	0	CB around T-S line	-0.0494	2.07	Background	No Exceedance
AW-15S	PMP	E008	Beryllium, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.001	0.004	Standard	No Exceedance
AW-15S	PMP	E008	Boron, total	mg/L	02/12/21 - 02/04/25	17	0	CI around mean	5.63	2	Standard	Exceedance
AW-15S	PMP	E008	Cadmium, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15S	PMP	E008	Chloride, total	mg/L	02/12/21 - 02/04/25	17	0	CB around linear reg	21.8	200	Standard	No Exceedance
AW-15S	PMP	E008	Chromium, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.004	0.1	Standard	No Exceedance
AW-15S	PMP	E008	Cobalt, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.002	0.0280	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-15S	PMP	E008	Fluoride, total	mg/L	02/12/21 - 02/04/25	17	35	CI around median	0.25	4.0	Standard	No Exceedance
AW-15S	PMP	E008	Lead, total	mg/L	02/12/21 - 02/04/25	17	88	CI around median	0.001	0.0330	Background	No Exceedance
AW-15S	PMP	E008	Lithium, total	mg/L	02/12/21 - 02/04/25	17	88	CI around median	0.02	0.0710	Background	No Exceedance
AW-15S	PMP	E008	Mercury, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-15S	PMP	E008	Molybdenum, total	mg/L	02/12/21 - 02/04/25	17	0	CB around linear reg	0.00208	0.1	Standard	No Exceedance
AW-15S	PMP	E008	pH (field)	SU	02/12/21 - 02/04/25	17	0	CI around median	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15S	PMP	E008	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/04/25	16	0	CI around mean	0.499	9.60	Background	No Exceedance
AW-15S	PMP	E008	Selenium, total	mg/L	02/12/21 - 02/04/25	17	47	CI around median	0.001	0.05	Standard	No Exceedance
AW-15S	PMP	E008	Sulfate, total	mg/L	02/12/21 - 02/04/25	17	0	CI around mean	522	400	Standard	Exceedance
AW-15S	PMP	E008	Thallium, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15S	PMP	E008	Total Dissolved Solids	mg/L	02/12/21 - 02/04/25	17	0	CI around median	1,200	1,200	Standard	No Exceedance
AW-16	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-16	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	18	CI around mean	0.00103	0.0300	Background	No Exceedance
AW-16	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	0.961	2.07	Background	No Exceedance
AW-16	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-16	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	0.382	2	Standard	No Exceedance
AW-16	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-16	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	42.2	200	Standard	No Exceedance
AW-16	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-16	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-16	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.25	4.0	Standard	No Exceedance
AW-16	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-16	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around T-S line	0.0173	0.0710	Background	No Exceedance
AW-16	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-16	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.001	0.1	Standard	No Exceedance
AW-16	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.6/6.8	6.3/9.0	Background/Standard	No Exceedance
AW-16	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CB around linear reg	1.77	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	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-16	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	88	CI around median	1	400	Standard	No Exceedance
AW-16	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-16	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around geomean	1,090	1,200	Standard	No Exceedance
AW-17	UA	E008	Antimony, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-17	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	0.00239	0.0300	Background	No Exceedance
AW-17	UA	E008	Barium, total	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	1.02	2.07	Background	No Exceedance
AW-17	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-17	UA	E008	Boron, total	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	0.412	2	Standard	No Exceedance
AW-17	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-17	UA	E008	Chloride, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	46.4	200	Standard	No Exceedance
AW-17	UA	E008	Chromium, total	mg/L	02/11/21 - 02/04/25	17	76	CI around median	0.004	0.1	Standard	No Exceedance
AW-17	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/04/25	17	18	CB around linear reg	0.000311	0.0280	Background	No Exceedance
AW-17	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/04/25	17	94	CI around median	0.25	4.0	Standard	No Exceedance
AW-17	UA	E008	Lead, total	mg/L	02/11/21 - 02/04/25	17	76	CI around median	0.001	0.0330	Background	No Exceedance
AW-17	UA	E008	Lithium, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	0.00886	0.0710	Background	No Exceedance
AW-17	UA	E008	Mercury, total	mg/L	02/11/21 - 02/04/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-17	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/04/25	17	59	CB around T-S line	-0.00102	0.1	Standard	No Exceedance
AW-17	UA	E008	pH (field)	SU	02/11/21 - 02/04/25	17	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-17	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/04/25	17	0	CI around mean	2.53	9.60	Background	No Exceedance
AW-17	UA	E008	Selenium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-17	UA	E008	Sulfate, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	1	400	Standard	No Exceedance
AW-17	UA	E008	Thallium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-17	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	858	1,200	Standard	No Exceedance
AW-18	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-18	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	0	CB around T-S line	-0.00218	0.0300	Background	No Exceedance
AW-18	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	1.18	2.07	Background	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 1, 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-18	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-18	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	0.687	2	Standard	No Exceedance
AW-18	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-18	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	77.2	200	Standard	No Exceedance
AW-18	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	88	CI around median	0.004	0.1	Standard	No Exceedance
AW-18	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	82	CI around median	0.002	0.0280	Background	No Exceedance
AW-18	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	65	CB around T-S line	-3.48	4.0	Standard	No Exceedance
AW-18	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	82	CI around median	0.001	0.0330	Background	No Exceedance
AW-18	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	6	CB around linear reg	-0.0211	0.0710	Background	No Exceedance
AW-18	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-18	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	-0.00913	0.1	Standard	No Exceedance
AW-18	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-18	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CI around mean	2.56	9.60	Background	No Exceedance
AW-18	UA	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.001	0.05	Standard	No Exceedance
AW-18	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	0	CI around geomean	4.51	400	Standard	No Exceedance
AW-18	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-18	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	816	1,200	Standard	No Exceedance
AW-19	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-19	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	0.0114	0.0300	Background	No Exceedance
AW-19	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CI around median	0.18	2.07	Background	No Exceedance
AW-19	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-19	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	2.85	2	Standard	Exceedance
AW-19	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-19	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	76	200	Standard	No Exceedance
AW-19	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	76	CI around median	0.004	0.1	Standard	No Exceedance
AW-19	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	76	CI around median	0.002	0.0280	Background	No Exceedance
AW-19	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	29	CB around linear reg	0.183	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

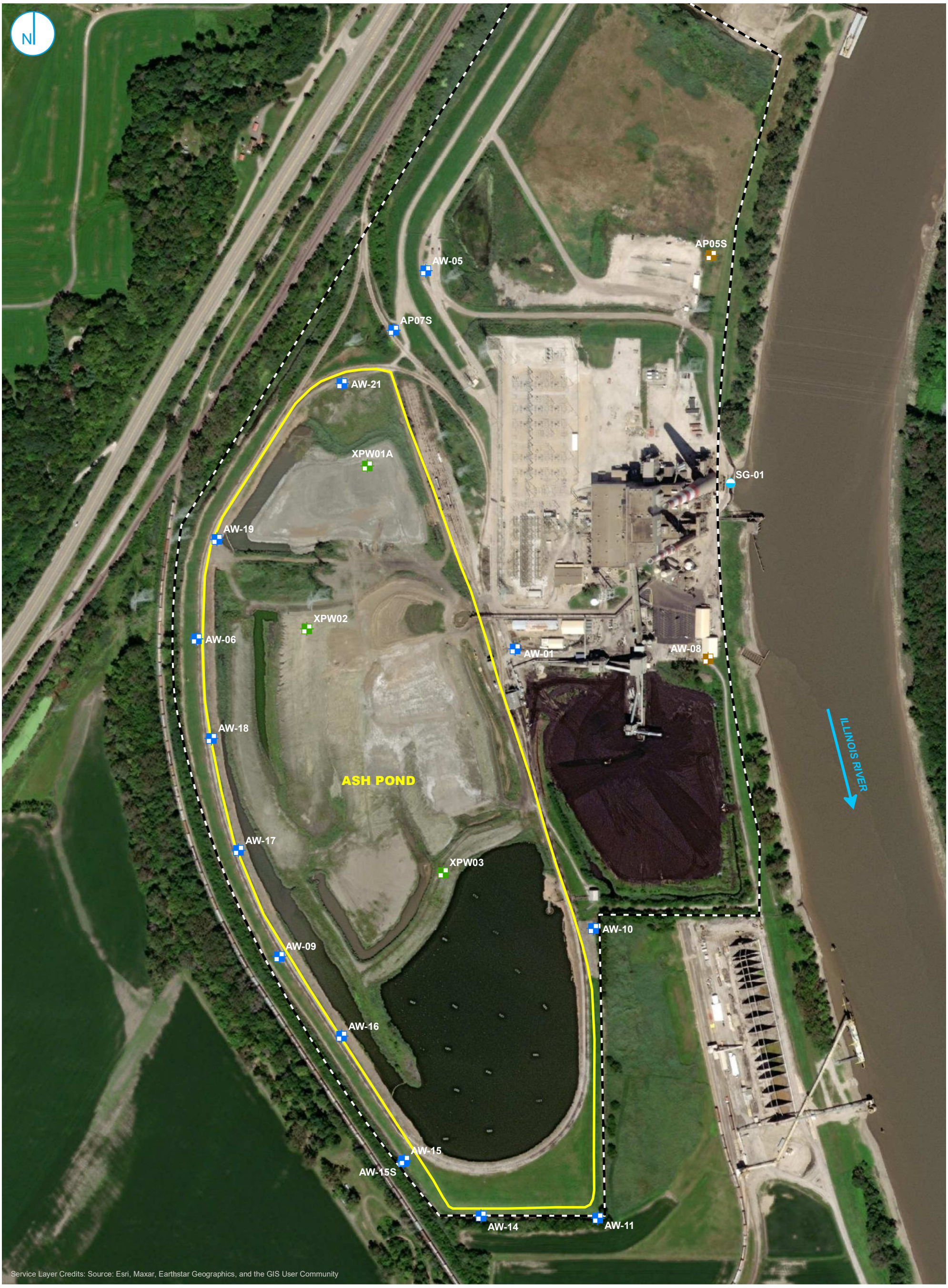
Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-19	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	59	CI around median	0.001	0.0330	Background	No Exceedance
AW-19	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	76	CB around T-S line	0.00965	0.0710	Background	No Exceedance
AW-19	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-19	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	0	CI around median	0.0036	0.1	Standard	No Exceedance
AW-19	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.8/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-19	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CI around mean	0.572	9.60	Background	No Exceedance
AW-19	UA	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-19	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	54.2	400	Standard	No Exceedance
AW-19	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-19	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	578	1,200	Standard	No Exceedance
AW-21	UA	E008	Antimony, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-21	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/03/25	17	18	CI around geomean	0.00113	0.0300	Background	No Exceedance
AW-21	UA	E008	Barium, total	mg/L	02/11/21 - 02/03/25	17	0	CB around linear reg	0.0448	2.07	Background	No Exceedance
AW-21	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-21	UA	E008	Boron, total	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	10.2	2	Standard	Exceedance
AW-21	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-21	UA	E008	Chloride, total	mg/L	02/11/21 - 02/03/25	17	0	CB around linear reg	65.5	200	Standard	No Exceedance
AW-21	UA	E008	Chromium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-21	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-21	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/03/25	17	6	CB around linear reg	0.127	4.0	Standard	No Exceedance
AW-21	UA	E008	Lead, total	mg/L	02/11/21 - 02/03/25	17	94	CI around median	0.001	0.0330	Background	No Exceedance
AW-21	UA	E008	Lithium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-21	UA	E008	Mercury, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-21	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	0.0175	0.1	Standard	No Exceedance
AW-21	UA	E008	pH (field)	SU	02/11/21 - 02/03/25	17	0	CI around median	7.2/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-21	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/03/25	17	0	CI around mean	0.57	9.60	Background	No Exceedance
AW-21	UA	E008	Selenium, total	mg/L	02/11/21 - 02/03/25	17	59	CI around median	0.001	0.05	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 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	E008	Sulfate, total	mg/L	02/11/21 - 02/03/25	17	0	CI around median	230	400	Standard	No Exceedance
AW-21	UA	E008	Thallium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-21	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	650	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) on October 25, 2021 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:
E008 = Quarter 1, 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 T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = 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

ASH POND
EDWARDS POWER PLANT
BARTONVILLE, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 1, 2025

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 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	01/30/2025	5.50	437.75
AP07S	Compliance	01/30/2025	24.96	435.91
AW-01	Compliance	01/30/2025	9.71	454.83
AW-05	Compliance	01/30/2025	8.67	434.70
AW-06	Compliance	01/30/2025	26.75	434.80
AW-08	Background	01/30/2025	25.71	436.95
AW-09	Compliance	01/30/2025	26.40	434.89
AW-10	Compliance	01/30/2025	2.89	437.28
AW-11	Compliance	01/30/2025	6.39	433.65
AW-14	Compliance	01/30/2025	7.34	432.12
AW-15	Compliance	01/30/2025	9.24	432.31
AW-15S	Compliance	01/30/2025	9.65	431.11
AW-16	Compliance	01/30/2025	26.24	435.79
AW-17	Compliance	01/30/2025	25.92	436.30
AW-18	Compliance	01/30/2025	27.61	435.26
AW-19	Compliance	01/30/2025	14.05	446.85
AW-21	Compliance	01/30/2025	17.69	443.10
XPW01A	Water Level	01/30/2025	12.34	451.96
XPW02	Water Level	01/30/2025	21.24	452.67
XPW03	Water Level	01/30/2025	18.68	447.49
SG-01[1]	Water Level	01/30/2025	NA	431.00

Notes:
1. SG-01 elevation gaged to the nearest 0.5 foot.
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
DM[8] = Lab provided groundwater elevation data and not depth to water.
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 1, 2025

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

March 02, 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,

Diane Billings
Project Manager

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

ANALYTICAL RESULTS

Sample: IA04775-01
Name: AW-01
Matrix: Ground Water - Grab

Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	9.0	mg/L	Q4	02/03/25 16:16	1	1.0	02/03/25 16:16	JSM	EPA 300.0 REV 2.1
Sulfate	40	mg/L	Q4	02/03/25 16:49	25	25	02/03/25 16:49	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	9.58	Feet		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Dissolved oxygen, Field	2.7	mg/L		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Oxidation Reduction Potential	-115	mV		01/31/25 10:40	1	-500	01/31/25 10:40	AJW	Field*
pH, Field Measured	6.67	pH Units		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Specific Conductance, Field Measured	1450	umhos/cm		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Temperature, Field Measured	12.6	°C		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Turbidity, Field Measured	69.0	NTU		01/31/25 10:40	1	0.00	01/31/25 10:40	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	680	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/05/25 14:13	1	0.250	02/05/25 14:13	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	700	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 15:43	TJJ	EPA 6020A
Arsenic	5.4	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Barium	100	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 10:50	TJJ	EPA 6020A
Boron	83	ug/L		02/04/25 09:05	5	10	02/06/25 15:43	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Calcium	170	mg/L		02/04/25 09:05	5	0.20	02/06/25 15:43	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 15:43	TJJ	EPA 6020A
Cobalt	2.9	ug/L		02/04/25 09:05	5	2.0	02/06/25 15:43	TJJ	EPA 6020A
Lead	1.3	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Magnesium	81	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:43	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/07/25 10:50	TJJ	EPA 6020A
Molybdenum	2.9	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Potassium	0.76	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:43	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Sodium	20	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:43	TJJ	EPA 6020A

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

ANALYTICAL RESULTS

Sample: IA04775-01
Name: AW-01
Matrix: Ground Water - Grab

Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:43	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/04/25 09:05	1	20	02/07/25 10:48	BRS	EPA 6010B

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

ANALYTICAL RESULTS

Sample: IA04775-02
Name: AW-01 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	9.0	mg/L	Q4	02/03/25 17:41	1	1.0	02/03/25 17:41	JSM	EPA 300.0 REV 2.1
Sulfate	41	mg/L	Q4	02/03/25 18:49	25	25	02/03/25 18:49	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	9.58	Feet		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Dissolved oxygen, Field	2.7	mg/L		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Oxidation Reduction Potential	-115	mV		01/31/25 10:40	1	-500	01/31/25 10:40	AJW	Field*
pH, Field Measured	6.67	pH Units		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Specific Conductance, Field Measured	1450	umhos/cm		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Temperature, Field Measured	12.6	°C		01/31/25 10:40	1		01/31/25 10:40	AJW	Field*
Turbidity, Field Measured	69.0	NTU		01/31/25 10:40	1	0.00	01/31/25 10:40	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	680	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/05/25 14:24	1	0.250	02/05/25 14:24	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	740	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 15:47	TJJ	EPA 6020A
Arsenic	5.3	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Barium	100	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 11:08	TJJ	EPA 6020A
Boron	84	ug/L		02/04/25 09:05	5	10	02/06/25 15:47	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Calcium	170	mg/L		02/04/25 09:05	5	0.20	02/06/25 15:47	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 15:47	TJJ	EPA 6020A
Cobalt	2.7	ug/L		02/04/25 09:05	5	2.0	02/06/25 15:47	TJJ	EPA 6020A
Lead	1.3	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Magnesium	80	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:47	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/06/25 15:47	TJJ	EPA 6020A
Molybdenum	3.1	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Potassium	0.71	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:47	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Sodium	20	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:47	TJJ	EPA 6020A

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

ANALYTICAL RESULTS

Sample: IA04775-02
Name: AW-01 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:47	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/04/25 09:05	1	20	02/07/25 11:02	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IA04775-03
Name: AW-16
Matrix: Ground Water - Grab

Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	48	mg/L		02/03/25 19:57	10	10	02/03/25 19:57	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/03/25 19:40	1	1.0	02/03/25 19:40	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.12	Feet		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Dissolved oxygen, Field	0.55	mg/L		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Oxidation Reduction Potential	-142	mV		01/31/25 12:25	1	-500	01/31/25 12:25	AJW	Field*
pH, Field Measured	6.69	pH Units		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Specific Conductance, Field Measured	2260	umhos/cm		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Temperature, Field Measured	11.4	°C		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Turbidity, Field Measured	4.10	NTU		01/31/25 12:25	1	0.00	01/31/25 12:25	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	1100	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/05/25 14:26	1	0.250	02/05/25 14:26	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1100	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 15:50	TJJ	EPA 6020A
Arsenic	1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Barium	1100	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 11:12	TJJ	EPA 6020A
Boron	450	ug/L		02/04/25 09:05	5	10	02/06/25 15:50	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Calcium	140	mg/L		02/04/25 09:05	5	0.20	02/06/25 15:50	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 15:50	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/04/25 09:05	5	2.0	02/06/25 15:50	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Magnesium	60	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:50	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/06/25 15:50	TJJ	EPA 6020A
Molybdenum	1.8	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Potassium	4.8	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:50	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Sodium	250	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:50	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IA04775-03
Name: AW-16
Matrix: Ground Water - Grab

Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:50	TJJ	EPA 6020A
Lithium	36	ug/L		02/04/25 09:05	1	20	02/07/25 11:15	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IA04775-04
Name: AW-16 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	47	mg/L		02/03/25 20:31	10	10	02/03/25 20:31	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/03/25 20:14	1	1.0	02/03/25 20:14	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.12	Feet		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Dissolved oxygen, Field	0.55	mg/L		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Oxidation Reduction Potential	-142	mV		01/31/25 12:25	1	-500	01/31/25 12:25	AJW	Field*
pH, Field Measured	6.69	pH Units		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Specific Conductance, Field Measured	2260	umhos/cm		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Temperature, Field Measured	11.4	°C		01/31/25 12:25	1		01/31/25 12:25	AJW	Field*
Turbidity, Field Measured	4.10	NTU		01/31/25 12:25	1	0.00	01/31/25 12:25	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	1100	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		02/10/25 10:09	1	2.0	02/10/25 10:09	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/05/25 14:28	1	0.250	02/05/25 14:28	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1100	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 15:54	TJJ	EPA 6020A
Arsenic	1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Barium	1100	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 11:16	TJJ	EPA 6020A
Boron	450	ug/L		02/04/25 09:05	5	10	02/06/25 15:54	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Calcium	140	mg/L		02/04/25 09:05	5	0.20	02/06/25 15:54	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 15:54	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/04/25 09:05	5	2.0	02/06/25 15:54	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Magnesium	61	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:54	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/06/25 15:54	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Potassium	4.8	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:54	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Sodium	250	mg/L		02/04/25 09:05	5	0.10	02/06/25 15:54	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IA04775-04
Name: AW-16 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 15:54	TJJ	EPA 6020A
Lithium	36	ug/L		02/04/25 09:05	1	20	02/07/25 11:17	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IA04775-05
Name: AW-18
Matrix: Ground Water - Grab

Sampled: 01/31/25 13:37
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	83	mg/L		02/03/25 21:06	25	25	02/03/25 21:06	JSM	EPA 300.0 REV 2.1
Sulfate	4.1	mg/L		02/03/25 20:48	1	1.0	02/03/25 20:48	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	27.5	Feet		01/31/25 13:37	1		01/31/25 13:37	AJW	Field*
Dissolved oxygen, Field	0.47	mg/L		01/31/25 13:37	1		01/31/25 13:37	AJW	Field*
Oxidation Reduction Potential	-144	mV		01/31/25 13:37	1	-500	01/31/25 13:37	AJW	Field*
pH, Field Measured	6.76	pH Units		01/31/25 13:37	1		01/31/25 13:37	AJW	Field*
Specific Conductance, Field Measured	1930	umhos/cm		01/31/25 13:37	1		01/31/25 13:37	AJW	Field*
Temperature, Field Measured	12.2	°C		01/31/25 13:37	1		01/31/25 13:37	AJW	Field*
Turbidity, Field Measured	102	NTU		01/31/25 13:37	1	0.00	01/31/25 13:37	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	750	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/05/25 14:33	1	0.250	02/05/25 14:33	JMD2	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	890	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 16:13	TJJ	EPA 6020A
Arsenic	2.8	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Barium	1300	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 11:38	TJJ	EPA 6020A
Boron	1300	ug/L		02/04/25 09:05	5	10	02/06/25 16:13	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Calcium	120	mg/L		02/04/25 09:05	5	0.20	02/06/25 16:13	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 16:13	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/04/25 09:05	5	2.0	02/06/25 16:13	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Magnesium	54	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:13	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/06/25 16:13	TJJ	EPA 6020A
Molybdenum	3.2	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Potassium	3.6	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:13	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Sodium	180	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:13	TJJ	EPA 6020A

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Sample: IA04775-05
Name: AW-18
Matrix: Ground Water - Grab

Sampled: 01/31/25 13:37
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:13	TJJ	EPA 6020A
Lithium	20	ug/L		02/04/25 09:05	1	20	02/07/25 12:53	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IA04775-06
Name: AW-19
Matrix: Ground Water - Grab

Sampled: 01/31/25 14:45
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	72	mg/L		02/03/25 22:14	10	10	02/03/25 22:14	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/03/25 21:57	1	0.250	02/03/25 21:57	JSM	EPA 300.0 REV 2.1
Sulfate	52	mg/L		02/03/25 22:14	10	10	02/03/25 22:14	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	13.96	Feet		01/31/25 14:45	1		01/31/25 14:45	AJW	Field*
Dissolved oxygen, Field	0.91	mg/L		01/31/25 14:45	1		01/31/25 14:45	AJW	Field*
Oxidation Reduction Potential	-83.0	mV		01/31/25 14:45	1	-500	01/31/25 14:45	AJW	Field*
pH, Field Measured	6.95	pH Units		01/31/25 14:45	1		01/31/25 14:45	AJW	Field*
Specific Conductance, Field Measured	1180	umhos/cm		01/31/25 14:45	1		01/31/25 14:45	AJW	Field*
Temperature, Field Measured	14.0	°C		01/31/25 14:45	1		01/31/25 14:45	AJW	Field*
Turbidity, Field Measured	30.0	NTU		01/31/25 14:45	1	0.00	01/31/25 14:45	AJW	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	440	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	620	mg/L		02/04/25 13:59	1	26	02/05/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/04/25 09:05	5	3.0	02/06/25 16:17	TJJ	EPA 6020A
Arsenic	11	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Barium	190	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/07/25 11:42	TJJ	EPA 6020A
Boron	3300	ug/L		02/04/25 09:05	5	10	02/06/25 16:17	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Calcium	130	mg/L		02/04/25 09:05	5	0.20	02/06/25 16:17	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/04/25 09:05	5	4.0	02/06/25 16:17	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/04/25 09:05	5	2.0	02/06/25 16:17	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Magnesium	58	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:17	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/04/25 09:05	5	0.20	02/06/25 16:17	TJJ	EPA 6020A
Molybdenum	4.2	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Potassium	0.92	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:17	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Sodium	56	mg/L		02/04/25 09:05	5	0.10	02/06/25 16:17	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IA04775-06
Name: AW-19
Matrix: Ground Water - Grab

Sampled: 01/31/25 14:45
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/04/25 09:05	5	1.0	02/06/25 16:17	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/04/25 09:05	1	20	02/07/25 11:22	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00317-01
Name: AW-06
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	39	mg/L	Q4	02/06/25 14:14	5	5.0	02/06/25 14:14	JSM	EPA 300.0 REV 2.1
Sulfate	22	mg/L	Q4	02/06/25 14:14	5	5.0	02/06/25 14:14	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.62	Feet		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Dissolved oxygen, Field	2.6	mg/L		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Oxidation Reduction Potential	-151	mV		02/03/25 14:49	1	-500	02/03/25 14:49	JPB	Field*
pH, Field Measured	7.11	pH Units		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Specific Conductance, Field Measured	1030	umhos/cm		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Temperature, Field Measured	16.4	°C		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Turbidity, Field Measured	81.7	NTU		02/03/25 14:49	1	0.00	02/03/25 14:49	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	460	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Fluoride	0.352	mg/L		02/14/25 11:02	1	0.250	02/14/25 11:02	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	550	mg/L	M	02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 15:31	TJJ	EPA 6020A
Arsenic	2.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Barium	160	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 14:33	TJJ	EPA 6020A
Boron	150	ug/L		02/06/25 09:06	5	10	02/11/25 14:33	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Calcium	110	mg/L	Q4	02/06/25 09:06	5	0.20	02/07/25 15:31	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 15:31	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 15:31	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Magnesium	45	mg/L	Q4	02/06/25 09:06	5	0.10	02/07/25 15:31	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/12/25 13:16	TJJ	EPA 6020A
Molybdenum	4.2	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Potassium	0.72	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:31	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 14:33	TJJ	EPA 6020A
Sodium	62	mg/L	Q4	02/06/25 09:06	5	0.10	02/07/25 15:31	TJJ	EPA 6020A

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2231 W. Altorfer Drive
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ANALYTICAL RESULTS

Sample: IB00317-01
Name: AW-06
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:31	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:14	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00317-02
Name: AW-06 DUP
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	39	mg/L		02/06/25 15:51	5	5.0	02/06/25 15:51	JSM	EPA 300.0 REV 2.1
Fluoride	0.320	mg/L		02/06/25 15:32	1	0.250	02/06/25 15:32	JSM	EPA 300.0 REV 2.1
Sulfate	21	mg/L		02/06/25 15:51	5	5.0	02/06/25 15:51	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.62	Feet		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Dissolved oxygen, Field	2.6	mg/L		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Oxidation Reduction Potential	-151	mV		02/03/25 14:49	1	-500	02/03/25 14:49	JPB	Field*
pH, Field Measured	7.11	pH Units		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Specific Conductance, Field Measured	1030	umhos/cm		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Temperature, Field Measured	16.4	°C		02/03/25 14:49	1		02/03/25 14:49	JPB	Field*
Turbidity, Field Measured	81.7	NTU		02/03/25 14:49	1	0.00	02/03/25 14:49	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	480	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	520	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 15:35	TJJ	EPA 6020A
Arsenic	1.9	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Barium	160	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 14:37	TJJ	EPA 6020A
Boron	150	ug/L		02/06/25 09:06	5	10	02/11/25 14:37	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Calcium	100	mg/L		02/06/25 09:06	5	0.20	02/07/25 15:35	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 15:35	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 15:35	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Magnesium	44	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:35	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 15:35	TJJ	EPA 6020A
Molybdenum	4.1	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Potassium	0.68	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:35	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 14:37	TJJ	EPA 6020A
Sodium	60	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:35	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00317-02
Name: AW-06 DUP
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:35	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:21	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00317-03
Name: AW-21
Matrix: Ground Water - Grab

Sampled: 02/03/25 13:03
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	83	mg/L		02/06/25 16:30	50	50	02/06/25 16:30	JSM	EPA 300.0 REV 2.1
Fluoride	0.289	mg/L		02/06/25 16:10	1	0.250	02/06/25 16:10	JSM	EPA 300.0 REV 2.1
Sulfate	250	mg/L		02/06/25 16:30	50	50	02/06/25 16:30	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	17.42	Feet		02/03/25 13:03	1		02/03/25 13:03	JPB	Field*
Dissolved oxygen, Field	2.4	mg/L		02/03/25 13:03	1		02/03/25 13:03	JPB	Field*
Oxidation Reduction Potential	-18.0	mV		02/03/25 13:03	1	-500	02/03/25 13:03	JPB	Field*
pH, Field Measured	7.25	pH Units		02/03/25 13:03	1		02/03/25 13:03	JPB	Field*
Specific Conductance, Field Measured	1070	umhos/cm		02/03/25 13:03	1		02/03/25 13:03	JPB	Field*
Temperature, Field Measured	15.1	°C		02/03/25 13:03	1		02/03/25 13:03	JPB	Field*
Turbidity, Field Measured	6.80	NTU		02/03/25 13:03	1	0.00	02/03/25 13:03	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	200	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	680	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 15:39	TJJ	EPA 6020A
Arsenic	1.3	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Barium	51	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:14	TJJ	EPA 6020A
Boron	10000	ug/L		02/06/25 09:06	50	100	02/12/25 13:42	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Calcium	120	mg/L		02/06/25 09:06	5	0.20	02/07/25 15:39	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 15:39	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 15:39	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Magnesium	39	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:39	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 15:39	TJJ	EPA 6020A
Molybdenum	21	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Potassium	1.3	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:39	TJJ	EPA 6020A
Selenium	1.5	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:14	TJJ	EPA 6020A
Sodium	54	mg/L		02/06/25 09:06	5	0.10	02/07/25 15:39	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00317-03
Name: AW-21
Matrix: Ground Water - Grab

Sampled: 02/03/25 13:03
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 15:39	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:23	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-01
Name: AP07S
Matrix: Ground Water - Grab

Sampled: 02/04/25 15:29
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	71	mg/L	Q4	02/06/25 17:47	25	25	02/06/25 17:47	JSM	EPA 300.0 REV 2.1
Fluoride	0.366	mg/L		02/06/25 16:49	1	0.250	02/06/25 16:49	JSM	EPA 300.0 REV 2.1
Sulfate	190	mg/L	Q4	02/06/25 17:47	25	25	02/06/25 17:47	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.96	Feet		02/04/25 15:29	1		02/04/25 15:29	DAB	Field*
Dissolved oxygen, Field	0.99	mg/L		02/04/25 15:29	1		02/04/25 15:29	DAB	Field*
Oxidation Reduction Potential	-49.0	mV		02/04/25 15:29	1	-500	02/04/25 15:29	DAB	Field*
pH, Field Measured	6.89	pH Units		02/04/25 15:29	1		02/04/25 15:29	DAB	Field*
Specific Conductance, Field Measured	1580	umhos/cm		02/04/25 15:29	1		02/04/25 15:29	DAB	Field*
Temperature, Field Measured	12.2	°C		02/04/25 15:29	1		02/04/25 15:29	DAB	Field*
Turbidity, Field Measured	57.7	NTU		02/04/25 15:29	1	0.00	02/04/25 15:29	DAB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	300	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	700	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:06	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Barium	44	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:18	TJJ	EPA 6020A
Boron	9100	ug/L		02/06/25 09:06	50	100	02/12/25 14:27	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Calcium	120	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:06	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:06	TJJ	EPA 6020A
Cobalt	2.4	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:06	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Magnesium	44	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:06	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:06	TJJ	EPA 6020A
Molybdenum	1.4	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Potassium	0.45	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:06	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:18	TJJ	EPA 6020A
Sodium	61	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:06	TJJ	EPA 6020A

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2231 W. Altorfer Drive
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ANALYTICAL RESULTS

Sample: IB00543-01
Name: AP07S
Matrix: Ground Water - Grab

Sampled: 02/04/25 15:29
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:06	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:26	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-02
Name: AW-09
Matrix: Ground Water - Grab

Sampled: 02/04/25 11:10
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	29	mg/L		02/06/25 19:24	5	5.0	02/06/25 19:24	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/06/25 19:05	1	0.250	02/06/25 19:05	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/06/25 19:05	1	1.0	02/06/25 19:05	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.5	Feet		02/04/25 11:10	1		02/04/25 11:10	JPB	Field*
Dissolved oxygen, Field	5.3	mg/L		02/04/25 11:10	1		02/04/25 11:10	JPB	Field*
Oxidation Reduction Potential	-101	mV		02/04/25 11:10	1	-500	02/04/25 11:10	JPB	Field*
pH, Field Measured	7.88	pH Units		02/04/25 11:10	1		02/04/25 11:10	JPB	Field*
Specific Conductance, Field Measured	1280	umhos/cm		02/04/25 11:10	1		02/04/25 11:10	JPB	Field*
Temperature, Field Measured	10.0	°C		02/04/25 11:10	1		02/04/25 11:10	JPB	Field*
Turbidity, Field Measured	98.3	NTU		02/04/25 11:10	1	0.00	02/04/25 11:10	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	720	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	760	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:10	TJJ	EPA 6020A
Arsenic	20	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Barium	390	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 14:40	TJJ	EPA 6020A
Boron	370	ug/L		02/06/25 09:06	5	10	02/11/25 14:40	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Calcium	120	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:10	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:10	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:10	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Magnesium	48	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:10	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:10	TJJ	EPA 6020A
Molybdenum	16	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Potassium	2.3	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:10	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 14:40	TJJ	EPA 6020A
Sodium	130	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:10	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-02
Name: AW-09
Matrix: Ground Water - Grab

Sampled: 02/04/25 11:10
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:10	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:28	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-03
Name: AW-11
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:09
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	36	mg/L		02/06/25 20:03	5	5.0	02/06/25 20:03	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/06/25 19:43	1	0.250	02/06/25 19:43	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/06/25 19:43	1	1.0	02/06/25 19:43	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	6.74	Feet		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Dissolved oxygen, Field	0.97	mg/L		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Oxidation Reduction Potential	-171	mV		02/04/25 13:09	1	-500	02/04/25 13:09	JPB	Field*
pH, Field Measured	6.94	pH Units		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Specific Conductance, Field Measured	1870	umhos/cm		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Temperature, Field Measured	9.0	°C		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Turbidity, Field Measured	107	NTU		02/04/25 13:09	1	0.00	02/04/25 13:09	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	910	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/10/25 10:09	1	10	02/10/25 10:09	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	940	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:13	TJJ	EPA 6020A
Arsenic	9.1	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Barium	1200	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 14:44	TJJ	EPA 6020A
Boron	290	ug/L		02/06/25 09:06	5	10	02/11/25 14:44	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Calcium	150	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:13	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:13	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:13	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Magnesium	64	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:13	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:13	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Potassium	2.6	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:13	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 14:44	TJJ	EPA 6020A
Sodium	150	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:13	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-03
Name: AW-11
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:09
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:13	TJJ	EPA 6020A
Lithium	21	ug/L		02/06/25 09:06	1	20	02/07/25 12:30	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-04
Name: AW-14
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:38
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	25	mg/L		02/06/25 20:42	5	5.0	02/06/25 20:42	JSM	EPA 300.0 REV 2.1
Fluoride	0.631	mg/L		02/06/25 20:22	1	0.250	02/06/25 20:22	JSM	EPA 300.0 REV 2.1
Sulfate	1.2	mg/L		02/06/25 20:22	1	1.0	02/06/25 20:22	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	7.33	Feet		02/04/25 13:38	1		02/04/25 13:38	JPB	Field*
Dissolved oxygen, Field	0.0	mg/L		02/04/25 13:38	1		02/04/25 13:38	JPB	Field*
Oxidation Reduction Potential	-93.0	mV		02/04/25 13:38	1	-500	02/04/25 13:38	JPB	Field*
pH, Field Measured	7.63	pH Units		02/04/25 13:38	1		02/04/25 13:38	JPB	Field*
Specific Conductance, Field Measured	1540	umhos/cm		02/04/25 13:38	1		02/04/25 13:38	JPB	Field*
Temperature, Field Measured	10.8	°C		02/04/25 13:38	1		02/04/25 13:38	JPB	Field*
Turbidity, Field Measured	33.4	NTU		02/04/25 13:38	1	0.00	02/04/25 13:38	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	950	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	1000	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:17	TJJ	EPA 6020A
Arsenic	1.3	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Barium	470	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 14:59	TJJ	EPA 6020A
Boron	180	ug/L		02/06/25 09:06	5	10	02/12/25 13:27	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Calcium	170	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:17	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:17	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:17	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Magnesium	67	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:17	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:17	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Potassium	2.5	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:17	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 14:59	TJJ	EPA 6020A
Sodium	140	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:17	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-04
Name: AW-14
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:38
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:17	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:31	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-05
Name: AW-15
Matrix: Ground Water - Grab

Sampled: 02/04/25 14:58
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	35	mg/L		02/07/25 11:43	5	5.0	02/07/25 11:43	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/07/25 11:23	1	0.250	02/07/25 11:23	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/07/25 11:23	1	1.0	02/07/25 11:23	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	9.39	Feet		02/04/25 14:58	1		02/04/25 14:58	JPB	Field*
Dissolved oxygen, Field	0.0	mg/L		02/04/25 14:58	1		02/04/25 14:58	JPB	Field*
Oxidation Reduction Potential	-61.0	mV		02/04/25 14:58	1	-500	02/04/25 14:58	JPB	Field*
pH, Field Measured	7.53	pH Units		02/04/25 14:58	1		02/04/25 14:58	JPB	Field*
Specific Conductance, Field Measured	1680	umhos/cm		02/04/25 14:58	1		02/04/25 14:58	JPB	Field*
Temperature, Field Measured	11.4	°C		02/04/25 14:58	1		02/04/25 14:58	JPB	Field*
Turbidity, Field Measured	52.0	NTU		02/04/25 14:58	1	0.00	02/04/25 14:58	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	990	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	940	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:21	TJJ	EPA 6020A
Arsenic	2.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Barium	1800	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:03	TJJ	EPA 6020A
Boron	370	ug/L		02/06/25 09:06	5	10	02/12/25 13:31	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Calcium	140	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:21	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:21	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:21	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Magnesium	55	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:21	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:21	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Potassium	4.1	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:21	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:03	TJJ	EPA 6020A
Sodium	200	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:21	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-05
Name: AW-15
Matrix: Ground Water - Grab

Sampled: 02/04/25 14:58
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:21	TJJ	EPA 6020A
Lithium	33	ug/L		02/06/25 09:06	1	20	02/07/25 12:42	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-06
Name: AW-15S
Matrix: Ground Water - Grab

Sampled: 02/04/25 15:54
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	31	mg/L		02/07/25 12:21	5	5.0	02/07/25 12:21	JSM	EPA 300.0 REV 2.1
Fluoride	0.265	mg/L		02/07/25 12:02	1	0.250	02/07/25 12:02	JSM	EPA 300.0 REV 2.1
Sulfate	520	mg/L		02/07/25 12:41	100	100	02/07/25 12:41	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	9.55	Feet		02/04/25 15:54	1		02/04/25 15:54	JPB	Field*
Dissolved oxygen, Field	0.0	mg/L		02/04/25 15:54	1		02/04/25 15:54	JPB	Field*
Oxidation Reduction Potential	20.0	mV		02/04/25 15:54	1	-500	02/04/25 15:54	JPB	Field*
pH, Field Measured	8.05	pH Units		02/04/25 15:54	1		02/04/25 15:54	JPB	Field*
Specific Conductance, Field Measured	1480	umhos/cm		02/04/25 15:54	1		02/04/25 15:54	JPB	Field*
Temperature, Field Measured	10.0	°C		02/04/25 15:54	1		02/04/25 15:54	JPB	Field*
Turbidity, Field Measured	60.1	NTU		02/04/25 15:54	1	0.00	02/04/25 15:54	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	480	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	1300	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:25	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Barium	71	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:22	TJJ	EPA 6020A
Boron	6600	ug/L		02/06/25 09:06	50	100	02/12/25 14:31	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Calcium	260	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:25	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:25	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:25	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Magnesium	82	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:25	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:25	TJJ	EPA 6020A
Molybdenum	2.6	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Potassium	0.64	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:25	TJJ	EPA 6020A
Selenium	2.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:22	TJJ	EPA 6020A
Sodium	51	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:25	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-06
Name: AW-15S
Matrix: Ground Water - Grab

Sampled: 02/04/25 15:54
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:25	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/06/25 09:06	1	20	02/07/25 12:44	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-07
Name: AW-17
Matrix: Ground Water - Grab

Sampled: 02/04/25 12:27
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	56	mg/L		02/07/25 13:00	10	10	02/07/25 13:00	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/07/25 13:20	1	0.250	02/07/25 13:20	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/07/25 13:20	1	1.0	02/07/25 13:20	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.4	Feet		02/04/25 12:27	1		02/04/25 12:27	JPB	Field*
Dissolved oxygen, Field	0.0	mg/L		02/04/25 12:27	1		02/04/25 12:27	JPB	Field*
Oxidation Reduction Potential	-85.0	mV		02/04/25 12:27	1	-500	02/04/25 12:27	JPB	Field*
pH, Field Measured	7.41	pH Units		02/04/25 12:27	1		02/04/25 12:27	JPB	Field*
Specific Conductance, Field Measured	1520	umhos/cm		02/04/25 12:27	1		02/04/25 12:27	JPB	Field*
Temperature, Field Measured	10.6	°C		02/04/25 12:27	1		02/04/25 12:27	JPB	Field*
Turbidity, Field Measured	57.8	NTU		02/04/25 12:27	1	0.00	02/04/25 12:27	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	880	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	890	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:28	TJJ	EPA 6020A
Arsenic	3.7	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Barium	1000	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:07	TJJ	EPA 6020A
Boron	390	ug/L		02/06/25 09:06	5	10	02/12/25 13:34	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Calcium	110	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:28	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:28	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:28	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Magnesium	42	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:28	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:28	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Potassium	4.1	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:28	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:07	TJJ	EPA 6020A
Sodium	210	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:28	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-07
Name: AW-17
Matrix: Ground Water - Grab

Sampled: 02/04/25 12:27
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:28	TJJ	EPA 6020A
Lithium	33	ug/L		02/06/25 09:06	1	20	02/07/25 12:46	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00543-08
Name: AW-11 DUP
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:09
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	35	mg/L		02/07/25 23:00	5	5.0	02/07/25 23:00	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/07/25 13:39	1	0.250	02/07/25 13:39	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/07/25 13:39	1	1.0	02/07/25 13:39	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	6.74	Feet		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Dissolved oxygen, Field	0.97	mg/L		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Oxidation Reduction Potential	-171	mV		02/04/25 13:09	1	-500	02/04/25 13:09	JPB	Field*
pH, Field Measured	6.94	pH Units		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Specific Conductance, Field Measured	1870	umhos/cm		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Temperature, Field Measured	9.0	°C		02/04/25 13:09	1		02/04/25 13:09	JPB	Field*
Turbidity, Field Measured	107	NTU		02/04/25 13:09	1	0.00	02/04/25 13:09	JPB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	920	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	860	mg/L		02/07/25 10:36	1	34	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/06/25 09:06	5	3.0	02/07/25 16:32	TJJ	EPA 6020A
Arsenic	9.1	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Barium	1200	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L	V2	02/06/25 09:06	5	1.0	02/11/25 15:10	TJJ	EPA 6020A
Boron	230	ug/L		02/06/25 09:06	5	10	02/12/25 13:38	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Calcium	150	mg/L		02/06/25 09:06	5	0.20	02/07/25 16:32	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/06/25 09:06	5	4.0	02/07/25 16:32	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/06/25 09:06	5	2.0	02/07/25 16:32	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Magnesium	65	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:32	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/06/25 09:06	5	0.20	02/07/25 16:32	TJJ	EPA 6020A
Molybdenum	1.1	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Potassium	2.6	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:32	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/11/25 15:10	TJJ	EPA 6020A
Sodium	150	mg/L		02/06/25 09:06	5	0.10	02/07/25 16:32	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00543-08
Name: AW-11 DUP
Matrix: Ground Water - Grab

Sampled: 02/04/25 13:09
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/06/25 09:06	5	1.0	02/07/25 16:32	TJJ	EPA 6020A
Lithium	22	ug/L		02/06/25 09:06	1	20	02/07/25 12:48	BRS	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00933-01
Name: AW-08
Matrix: Ground Water - Grab

Sampled: 02/05/25 16:11
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	17	mg/L	Q4	02/07/25 16:23	5	5.0	02/07/25 16:23	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L	Q3	02/07/25 16:05	1	1.0	02/07/25 16:05	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	25.75	Feet		02/05/25 16:11	1		02/05/25 16:11	AJM	Field*
Dissolved oxygen, Field	0.0	mg/L		02/05/25 16:11	1		02/05/25 16:11	AJM	Field*
Oxidation Reduction Potential	12.0	mV		02/05/25 16:11	1	-500	02/05/25 16:11	AJM	Field*
pH, Field Measured	9.37	pH Units		02/05/25 16:11	1		02/05/25 16:11	AJM	Field*
Specific Conductance, Field Measured	1180	umhos/cm		02/05/25 16:11	1		02/05/25 16:11	AJM	Field*
Temperature, Field Measured	10.0	°C		02/05/25 16:11	1		02/05/25 16:11	AJM	Field*
Turbidity, Field Measured	60.8	NTU		02/05/25 16:11	1	0.00	02/05/25 16:11	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	700	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/14/25 11:06	1	0.250	02/14/25 11:06	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	780	mg/L	M	02/10/25 15:58	1	26	02/11/25 15:32	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:18	TJJ	EPA 6020A
Arsenic	13	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Barium	350	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 10:36	TJJ	EPA 6020A
Boron	130	ug/L		02/10/25 09:40	5	10	02/17/25 10:36	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Calcium	150	mg/L	Q4	02/10/25 09:40	5	0.20	02/11/25 16:18	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:18	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:18	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Magnesium	60	mg/L	Q4	02/10/25 09:40	5	0.10	02/11/25 16:18	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:18	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Potassium	1.8	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:18	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Sodium	72	mg/L	Q4	02/10/25 09:40	5	0.10	02/11/25 16:18	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00933-01
Name: AW-08
Matrix: Ground Water - Grab

Sampled: 02/05/25 16:11
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:18	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/10/25 09:40	1	20	02/13/25 10:48	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00933-02
Name: AW-10
Matrix: Ground Water - Grab

Sampled: 02/05/25 14:50
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	86	mg/L		02/10/25 15:46	25	25	02/10/25 15:46	TMS	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		02/07/25 17:17	1	1.0	02/07/25 17:17	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	2.94	Feet		02/05/25 14:50	1		02/05/25 14:50	DAB	Field*
Dissolved oxygen, Field	3.6	mg/L		02/05/25 14:50	1		02/05/25 14:50	DAB	Field*
Oxidation Reduction Potential	-86.0	mV		02/05/25 14:50	1	-500	02/05/25 14:50	DAB	Field*
pH, Field Measured	10.4	pH Units		02/05/25 14:50	1		02/05/25 14:50	DAB	Field*
Specific Conductance, Field Measured	1740	umhos/cm		02/05/25 14:50	1		02/05/25 14:50	DAB	Field*
Temperature, Field Measured	9.5	°C		02/05/25 14:50	1		02/05/25 14:50	DAB	Field*
Turbidity, Field Measured	75.7	NTU		02/05/25 14:50	1	0.00	02/05/25 14:50	DAB	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	1000	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/14/25 11:10	1	0.250	02/14/25 11:10	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1100	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:22	TJJ	EPA 6020A
Arsenic	8.1	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Barium	810	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 10:40	TJJ	EPA 6020A
Boron	460	ug/L		02/10/25 09:40	5	10	02/17/25 10:40	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Calcium	140	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:22	TJJ	EPA 6020A
Chromium	12	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:22	TJJ	EPA 6020A
Cobalt	9.7	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:22	TJJ	EPA 6020A
Lead	9.9	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Magnesium	68	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:22	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:22	TJJ	EPA 6020A
Molybdenum	1.7	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Potassium	4.0	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:22	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Sodium	270	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:22	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00933-02
Name: AW-10
Matrix: Ground Water - Grab

Sampled: 02/05/25 14:50
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:22	TJJ	EPA 6020A
Lithium	43	ug/L		02/10/25 09:40	1	20	02/13/25 10:54	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00933-03
Name: XPW01A
Matrix: Ground Water - Grab

Sampled: 02/05/25 13:21
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	95	mg/L		02/07/25 18:48	50	50	02/07/25 18:48	JSM	EPA 300.0 REV 2.1
Sulfate	260	mg/L		02/07/25 18:48	50	50	02/07/25 18:48	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	11.95	Feet		02/05/25 13:21	1		02/05/25 13:21	AJM	Field*
Dissolved oxygen, Field	0.0	mg/L		02/05/25 13:21	1		02/05/25 13:21	AJM	Field*
Oxidation Reduction Potential	-66.0	mV		02/05/25 13:21	1	-500	02/05/25 13:21	AJM	Field*
pH, Field Measured	12.1	pH Units		02/05/25 13:21	1		02/05/25 13:21	AJM	Field*
Specific Conductance, Field Measured	1910	umhos/cm		02/05/25 13:21	1		02/05/25 13:21	AJM	Field*
Temperature, Field Measured	12.2	°C		02/05/25 13:21	1		02/05/25 13:21	AJM	Field*
Turbidity, Field Measured	59.3	NTU		02/05/25 13:21	1	0.00	02/05/25 13:21	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	50	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/14/25 11:12	1	0.250	02/14/25 11:12	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	900	mg/L		02/07/25 10:36	1	26	02/07/25 14:36	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:37	TJJ	EPA 6020A
Arsenic	120	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Barium	28	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 18:05	TJJ	EPA 6020A
Boron	18000	ug/L		02/10/25 09:40	20	40	02/17/25 10:43	TJJ	EPA 6020A
Cadmium	1.3	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Calcium	62	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:37	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:37	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:37	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Magnesium	< 0.10	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:37	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:37	TJJ	EPA 6020A
Molybdenum	2800	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Potassium	240	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:37	TJJ	EPA 6020A
Selenium	7.1	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Sodium	120	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:37	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00933-03
Name: XPW01A
Matrix: Ground Water - Grab

Sampled: 02/05/25 13:21
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:37	TJJ	EPA 6020A
Lithium	650	ug/L		02/10/25 09:40	1	20	02/13/25 10:55	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00933-04
Name: XPW02
Matrix: Ground Water - Grab

Sampled: 02/05/25 12:24
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	120	mg/L		02/07/25 19:24	25	25	02/07/25 19:24	JSM	EPA 300.0 REV 2.1
Sulfate	1200	mg/L		02/07/25 19:42	250	250	02/07/25 19:42	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	21	Feet		02/05/25 12:24	1		02/05/25 12:24	AJM	Field*
Dissolved oxygen, Field	0.19	mg/L		02/05/25 12:24	1		02/05/25 12:24	AJM	Field*
Oxidation Reduction Potential	-77.0	mV		02/05/25 12:24	1	-500	02/05/25 12:24	AJM	Field*
pH, Field Measured	12.0	pH Units		02/05/25 12:24	1		02/05/25 12:24	AJM	Field*
Specific Conductance, Field Measured	4580	umhos/cm		02/05/25 12:24	1		02/05/25 12:24	AJM	Field*
Temperature, Field Measured	11.1	°C		02/05/25 12:24	1		02/05/25 12:24	AJM	Field*
Turbidity, Field Measured	37.4	NTU		02/05/25 12:24	1	0.00	02/05/25 12:24	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	120	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Fluoride	0.309	mg/L		02/14/25 11:14	1	0.250	02/14/25 11:14	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	2500	mg/L		02/10/25 15:58	1	26	02/11/25 15:32	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:41	TJJ	EPA 6020A
Arsenic	170	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Barium	13	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 18:09	TJJ	EPA 6020A
Boron	14000	ug/L		02/10/25 09:40	20	40	02/17/25 10:47	TJJ	EPA 6020A
Cadmium	1.2	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Calcium	32	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:41	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:41	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:41	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Magnesium	< 0.10	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:41	TJJ	EPA 6020A
Mercury	0.28	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:41	TJJ	EPA 6020A
Molybdenum	2800	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Potassium	110	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:41	TJJ	EPA 6020A
Selenium	210	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Sodium	840	mg/L		02/10/25 09:40	20	0.40	02/17/25 10:47	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00933-04
Name: XPW02
Matrix: Ground Water - Grab

Sampled: 02/05/25 12:24
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:41	TJJ	EPA 6020A
Lithium	260	ug/L		02/10/25 09:40	1	20	02/13/25 10:56	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB00933-05
Name: XPW03
Matrix: Ground Water - Grab

Sampled: 02/05/25 11:31
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	100	mg/L		02/07/25 20:18	50	50	02/07/25 20:18	JSM	EPA 300.0 REV 2.1
Sulfate	490	mg/L		02/10/25 16:05	100	100	02/10/25 16:05	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.29	Feet		02/05/25 11:31	1		02/05/25 11:31	AJM	Field*
Dissolved oxygen, Field	0.0	mg/L		02/05/25 11:31	1		02/05/25 11:31	AJM	Field*
Oxidation Reduction Potential	-79.0	mV		02/05/25 11:31	1	-500	02/05/25 11:31	AJM	Field*
pH, Field Measured	11.1	pH Units		02/05/25 11:31	1		02/05/25 11:31	AJM	Field*
Specific Conductance, Field Measured	1970	umhos/cm		02/05/25 11:31	1		02/05/25 11:31	AJM	Field*
Temperature, Field Measured	11.3	°C		02/05/25 11:31	1		02/05/25 11:31	AJM	Field*
Turbidity, Field Measured	38.9	NTU		02/05/25 11:31	1	0.00	02/05/25 11:31	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	< 10	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	75	mg/L		02/14/25 10:36	1	10	02/14/25 10:36	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		02/14/25 11:17	1	0.250	02/14/25 11:17	TMS	SM 4500-F C-2011
Solids - total dissolved solids (TDS)	1200	mg/L		02/10/25 15:58	1	26	02/11/25 15:32	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:45	TJJ	EPA 6020A
Arsenic	17	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Barium	76	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 18:13	TJJ	EPA 6020A
Boron	8500	ug/L		02/10/25 09:40	20	40	02/17/25 11:17	TJJ	EPA 6020A
Cadmium	1.7	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Calcium	69	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:45	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:45	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:45	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Magnesium	< 0.10	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:45	TJJ	EPA 6020A
Mercury	0.24	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:45	TJJ	EPA 6020A
Molybdenum	3900	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Potassium	83	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:45	TJJ	EPA 6020A
Selenium	38	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Sodium	300	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:45	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB00933-05
Name: XPW03
Matrix: Ground Water - Grab

Sampled: 02/05/25 11:31
Received: 02/05/25 16:52
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:45	TJJ	EPA 6020A
Lithium	140	ug/L		02/10/25 09:40	1	20	02/13/25 10:57	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB01153-01
Name: AP05S
Matrix: Ground Water - Grab

Sampled: 02/06/25 11:37
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	47	mg/L	Q4	02/07/25 23:39	10	10	02/07/25 23:39	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	Q3	02/07/25 23:20	1	0.250	02/07/25 23:20	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L	Q3	02/07/25 23:20	1	1.0	02/07/25 23:20	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	5.56	Feet		02/06/25 11:37	1		02/06/25 11:37	AJM	Field*
Dissolved oxygen, Field	0.0	mg/L		02/06/25 11:37	1		02/06/25 11:37	AJM	Field*
Oxidation Reduction Potential	-43.0	mV		02/06/25 11:37	1	-500	02/06/25 11:37	AJM	Field*
pH, Field Measured	9.08	pH Units		02/06/25 11:37	1		02/06/25 11:37	AJM	Field*
Specific Conductance, Field Measured	1440	umhos/cm		02/06/25 11:37	1		02/06/25 11:37	AJM	Field*
Temperature, Field Measured	10.7	°C		02/06/25 11:37	1		02/06/25 11:37	AJM	Field*
Turbidity, Field Measured	33.4	NTU		02/06/25 11:37	1	0.00	02/06/25 11:37	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	780	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	800	mg/L	M	02/10/25 15:58	1	26	02/11/25 15:32	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:48	TJJ	EPA 6020A
Arsenic	1.6	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Barium	970	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 11:28	TJJ	EPA 6020A
Boron	340	ug/L		02/10/25 09:40	5	10	02/17/25 11:28	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Calcium	110	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:48	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:48	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:48	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Magnesium	46	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:48	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:48	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Potassium	4.0	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:48	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Sodium	190	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:48	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB01153-01
Name: AP05S
Matrix: Ground Water - Grab

Sampled: 02/06/25 11:37
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:48	TJJ	EPA 6020A
Lithium	32	ug/L		02/10/25 09:40	1	20	02/13/25 10:58	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IB01153-02
Name: AW-05
Matrix: Ground Water - Grab

Sampled: 02/06/25 10:34
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	85	mg/L		02/08/25 00:57	10	10	02/08/25 00:57	JSM	EPA 300.0 REV 2.1
Fluoride	0.330	mg/L		02/08/25 00:37	1	0.250	02/08/25 00:37	JSM	EPA 300.0 REV 2.1
Sulfate	480	mg/L		02/08/25 01:16	50	50	02/08/25 01:16	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.39	Feet		02/06/25 10:34	1		02/06/25 10:34	AJM	Field*
Dissolved oxygen, Field	0.16	mg/L		02/06/25 10:34	1		02/06/25 10:34	AJM	Field*
Oxidation Reduction Potential	126	mV		02/06/25 10:34	1	-500	02/06/25 10:34	AJM	Field*
pH, Field Measured	10.4	pH Units		02/06/25 10:34	1		02/06/25 10:34	AJM	Field*
Specific Conductance, Field Measured	1470	umhos/cm		02/06/25 10:34	1		02/06/25 10:34	AJM	Field*
Temperature, Field Measured	9.5	°C		02/06/25 10:34	1		02/06/25 10:34	AJM	Field*
Turbidity, Field Measured	485	NTU		02/06/25 10:34	1	0.00	02/06/25 10:34	AJM	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	340	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/17/25 10:29	1	10	02/17/25 10:29	CFM	SM 2320 B-2011*
Solids - total dissolved solids (TDS)	1200	mg/L		02/10/25 15:58	1	26	02/11/25 15:32	CFM	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		02/10/25 09:40	5	3.0	02/11/25 16:52	TJJ	EPA 6020A
Arsenic	1.3	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Barium	64	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/17/25 18:17	TJJ	EPA 6020A
Boron	11000	ug/L		02/10/25 09:40	20	40	02/17/25 11:21	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Calcium	180	mg/L		02/10/25 09:40	5	0.20	02/11/25 16:52	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		02/10/25 09:40	5	4.0	02/11/25 16:52	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		02/10/25 09:40	5	2.0	02/11/25 16:52	TJJ	EPA 6020A
Lead	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Magnesium	85	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:52	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		02/10/25 09:40	5	0.20	02/11/25 16:52	TJJ	EPA 6020A
Molybdenum	1.7	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Potassium	0.83	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:52	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Sodium	87	mg/L		02/10/25 09:40	5	0.10	02/11/25 16:52	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IB01153-02
Name: AW-05
Matrix: Ground Water - Grab

Sampled: 02/06/25 10:34
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Thallium	< 1.0	ug/L		02/10/25 09:40	5	1.0	02/11/25 16:52	TJJ	EPA 6020A
Lithium	< 20	ug/L		02/10/25 09:40	1	20	02/13/25 10:59	TJJ	EPA 6010B

Sample: IB01153-04
Name: SG-01
Matrix: Ground Water - Grab

Sampled: 01/30/25 13:53
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Depth, From Measuring Point	431	Feet		01/30/25 13:53	1		01/30/25 13:53	DAB	Field*

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B524133 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B524133-BLK1)				Prepared & Analyzed: 02/03/25					
Fluoride	< 0.250	mg/L							
Sulfate	< 1.0	mg/L							
Chloride	< 1.0	mg/L							
Calibration Blank (B524133-CCB1)				Prepared & Analyzed: 02/03/25					
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Chloride	0.00	mg/L							
Calibration Check (B524133-CCV1)				Prepared & Analyzed: 02/03/25					
Chloride	5.17	mg/L		5.000		103	90-110		
Fluoride	5.44	mg/L		5.000		109	90-110		
Sulfate	5.11	mg/L		5.000		102	90-110		
Matrix Spike (B524133-MS1)	**Sample: IA04775-01**			Prepared & Analyzed: 02/03/25					
Sulfate	< 1.0	mg/L	Q4	1.500	39.5	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	9.0	NR	80-120		
Matrix Spike (B524133-MS2)	**Sample: IA04775-02**			Prepared & Analyzed: 02/03/25					
Sulfate	1.00E9	mg/L	Q4	1.500	40.7	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	9.0	NR	80-120		
Matrix Spike Dup (B524133-MSD1)	**Sample: IA04775-01**			Prepared & Analyzed: 02/03/25					
Chloride	1.0E9	mg/L	Q4	1.500	9.0	NR	80-120	0	20
Sulfate	< 1.0	mg/L	Q4	1.500	39.5	NR	80-120		20
Matrix Spike Dup (B524133-MSD2)	**Sample: IA04775-02**			Prepared & Analyzed: 02/03/25					
Sulfate	1.00E9	mg/L	Q4	1.500	40.7	NR	80-120	0	20
Chloride	1.0E9	mg/L	Q4	1.500	9.0	NR	80-120	0	20
Batch B524156 - SW 3015 - EPA 6010B									
Blank (B524156-BLK1)				Prepared: 02/04/25 Analyzed: 02/07/25					
Lithium	< 20	ug/L							
LCS (B524156-BS1)				Prepared: 02/04/25 Analyzed: 02/07/25					
Lithium	506	ug/L		555.6		91	80-120		
Batch B524156 - SW 3015 - EPA 6020A									
Blank (B524156-BLK1)				Prepared: 02/04/25 Analyzed: 02/06/25					
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							

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B524156-BLK1)				Prepared: 02/04/25 Analyzed: 02/06/25					
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 (B524156-BS1)				Prepared: 02/04/25 Analyzed: 02/06/25					
Antimony	521	ug/L		555.6		94	80-120		
Arsenic	543	ug/L		555.6		98	80-120		
Barium	560	ug/L		555.6		101	80-120		
Beryllium	539	ug/L		555.6		97	80-120		
Boron	571	ug/L		555.6		103	80-120		
Cadmium	557	ug/L		555.6		100	80-120		
Calcium	5.92	mg/L		5.556		107	80-120		
Chromium	581	ug/L		555.6		105	80-120		
Cobalt	586	ug/L		555.6		105	80-120		
Lead	577	ug/L		555.6		104	80-120		
Magnesium	6.41	mg/L		5.556		115	80-120		
Mercury	52.7	ug/L		55.56		95	80-120		
Molybdenum	574	ug/L		555.6		103	80-120		
Potassium	6.05	mg/L		5.556		109	80-120		
Selenium	547	ug/L		555.6		98	80-120		
Sodium	6.42	mg/L		5.556		116	80-120		
Thallium	571	ug/L		555.6		103	80-120		
Matrix Spike (B524156-MS1)	**Sample: IA04775-01**			Prepared: 02/04/25 Analyzed: 02/06/25					
Antimony	503	ug/L		555.6	ND	90	75-125		
Arsenic	542	ug/L		555.6	5.39	97	75-125		
Barium	651	ug/L		555.6	102	99	75-125		
Beryllium	540	ug/L		555.6	ND	97	75-125		
Boron	651	ug/L		555.6	83.2	102	75-125		
Cadmium	557	ug/L		555.6	ND	100	75-125		
Calcium	179	mg/L		5.556	173	102	75-125		
Chromium	570	ug/L		555.6	2.97	102	75-125		
Cobalt	565	ug/L		555.6	2.86	101	75-125		
Lead	562	ug/L		555.6	1.29	101	75-125		
Magnesium	87.3	mg/L		5.556	81.1	112	75-125		
Mercury	54.2	ug/L		55.56	ND	98	75-125		
Molybdenum	579	ug/L		555.6	2.87	104	75-125		
Potassium	6.51	mg/L		5.556	0.764	103	75-125		
Selenium	545	ug/L		555.6	ND	98	75-125		
Sodium	26.2	mg/L		5.556	20.3	106	75-125		
Thallium	556	ug/L		555.6	ND	100	75-125		
Matrix Spike Dup (B524156-MSD1)	**Sample: IA04775-01**			Prepared: 02/04/25 Analyzed: 02/06/25					
Antimony	500	ug/L		555.6	ND	90	75-125	0.6	20
Arsenic	537	ug/L		555.6	5.39	96	75-125	0.9	20
Barium	645	ug/L		555.6	102	98	75-125	1	20
Beryllium	537	ug/L		555.6	ND	97	75-125	0.7	20
Boron	653	ug/L		555.6	83.2	103	75-125	0.3	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B524156-MSD1)	**Sample: IA04775-01**			Prepared: 02/04/25 Analyzed: 02/06/25					
Cadmium	549	ug/L		555.6	ND	99	75-125	1	20
Calcium	176	mg/L	Q4	5.556	173	52	75-125	2	20
Chromium	563	ug/L		555.6	2.97	101	75-125	1	20
Cobalt	557	ug/L		555.6	2.86	100	75-125	1	20
Lead	552	ug/L		555.6	1.29	99	75-125	2	20
Magnesium	85.2	mg/L	Q4	5.556	81.1	74	75-125	2	20
Mercury	53.0	ug/L		55.56	ND	95	75-125	2	20
Molybdenum	564	ug/L		555.6	2.87	101	75-125	3	20
Potassium	6.40	mg/L		5.556	0.764	101	75-125	2	20
Selenium	534	ug/L		555.6	ND	96	75-125	2	20
Sodium	26.2	mg/L		5.556	20.3	106	75-125	0.03	20
Thallium	550	ug/L		555.6	ND	99	75-125	1	20
Batch B524198 - No Prep - SM 2540 C-2011									
Blank (B524198-BLK1)				Prepared: 02/04/25 Analyzed: 02/05/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B524198-BS1)				Prepared: 02/04/25 Analyzed: 02/05/25					
Solids - total dissolved solids (TDS)	957	mg/L		1000		96	84.4-107		
Duplicate (B524198-DUP2)	**Sample: IA04775-01**			Prepared: 02/04/25 Analyzed: 02/05/25					
Solids - total dissolved solids (TDS)	705	mg/L			700			0.7	5
Batch B524317 - No Prep - SM 4500-F C-2011									
Calibration Blank (B524317-CCB1)				Prepared & Analyzed: 02/05/25					
Fluoride	0.0330	mg/L							
Calibration Check (B524317-CCV1)				Prepared & Analyzed: 02/05/25					
Fluoride	0.662	mg/L		0.7000		95	90-110		
Matrix Spike (B524317-MS8)	**Sample: IA04775-02**			Prepared & Analyzed: 02/05/25					
Fluoride	1.27	mg/L		1.000	0.237	103	80-120		
Matrix Spike Dup (B524317-MSD8)	**Sample: IA04775-02**			Prepared & Analyzed: 02/05/25					
Fluoride	1.27	mg/L		1.000	0.237	104	80-120	0.4	20
Batch B524374 - SW 3015 - EPA 6010B									
Blank (B524374-BLK1)				Prepared: 02/06/25 Analyzed: 02/07/25					
Lithium	< 20	ug/L							
LCS (B524374-BS1)				Prepared: 02/06/25 Analyzed: 02/07/25					
Lithium	534	ug/L		555.6		96	80-120		
Matrix Spike (B524374-MS1)	**Sample: IB00317-01**			Prepared: 02/06/25 Analyzed: 02/07/25					
Lithium	525	ug/L		555.6	13.9	92	75-125		
Matrix Spike Dup (B524374-MSD1)	**Sample: IB00317-01**			Prepared: 02/06/25 Analyzed: 02/07/25					
Lithium	551	ug/L		555.6	13.9	97	75-125	5	20
Batch B524374 - SW 3015 - EPA 6020A									
Blank (B524374-BLK1)				Prepared: 02/06/25 Analyzed: 02/07/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							

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Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B524374-BLK1)				Prepared: 02/06/25 Analyzed: 02/11/25					
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 (B524374-BS1)				Prepared: 02/06/25 Analyzed: 02/07/25					
Antimony	522	ug/L		555.6		94	80-120		
Arsenic	537	ug/L		555.6		97	80-120		
Barium	545	ug/L		555.6		98	80-120		
Beryllium	658	ug/L		555.6		119	80-120		
Boron	647	ug/L		555.6		116	80-120		
Cadmium	540	ug/L		555.6		97	80-120		
Calcium	5.87	mg/L		5.556		106	80-120		
Chromium	560	ug/L		555.6		101	80-120		
Cobalt	558	ug/L		555.6		100	80-120		
Lead	573	ug/L		555.6		103	80-120		
Magnesium	6.24	mg/L		5.556		112	80-120		
Mercury	50.9	ug/L		55.56		92	80-120		
Molybdenum	534	ug/L		555.6		96	80-120		
Potassium	5.87	mg/L		5.556		106	80-120		
Selenium	572	ug/L		555.6		103	80-120		
Sodium	6.00	mg/L		5.556		108	80-120		
Thallium	561	ug/L		555.6		101	80-120		
Matrix Spike (B524374-MS1)	**Sample: IB00317-01**			Prepared: 02/06/25 Analyzed: 02/07/25					
Antimony	515	ug/L		555.6	ND	93	75-125		
Arsenic	536	ug/L		555.6	1.95	96	75-125		
Barium	696	ug/L		555.6	161	96	75-125		
Beryllium	668	ug/L		555.6	ND	120	75-125		
Boron	799	ug/L		555.6	147	117	75-125		
Cadmium	541	ug/L		555.6	ND	97	75-125		
Calcium	109	mg/L	Q4	5.556	106	60	75-125		
Chromium	556	ug/L		555.6	ND	100	75-125		
Cobalt	543	ug/L		555.6	ND	98	75-125		
Lead	557	ug/L		555.6	ND	100	75-125		
Magnesium	48.9	mg/L	Q4	5.556	45.3	65	75-125		
Mercury	52.3	ug/L		55.56	ND	94	75-125		
Molybdenum	542	ug/L		555.6	4.18	97	75-125		
Potassium	6.54	mg/L		5.556	0.720	105	75-125		
Selenium	563	ug/L		555.6	ND	101	75-125		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B524374-MS1)	**Sample: IB00317-01**			Prepared: 02/06/25 Analyzed: 02/07/25					
Sodium	64.3	mg/L	Q4	5.556	61.7	46	75-125		
Thallium	548	ug/L		555.6	ND	99	75-125		
Matrix Spike Dup (B524374-MSD1)	**Sample: IB00317-01**			Prepared: 02/06/25 Analyzed: 02/07/25					
Antimony	514	ug/L		555.6	ND	92	75-125	0.3	20
Arsenic	540	ug/L		555.6	1.95	97	75-125	0.8	20
Barium	704	ug/L		555.6	161	98	75-125	1	20
Beryllium	653	ug/L		555.6	ND	118	75-125	2	20
Boron	787	ug/L		555.6	147	115	75-125	2	20
Cadmium	540	ug/L		555.6	ND	97	75-125	0.2	20
Calcium	110	mg/L	Q4	5.556	106	70	75-125	0.5	20
Chromium	552	ug/L		555.6	ND	99	75-125	0.8	20
Cobalt	543	ug/L		555.6	ND	98	75-125	0.03	20
Lead	557	ug/L		555.6	ND	100	75-125	0.008	20
Magnesium	49.2	mg/L	Q4	5.556	45.3	70	75-125	0.5	20
Mercury	52.8	ug/L		55.56	ND	95	75-125	1	20
Molybdenum	550	ug/L		555.6	4.18	98	75-125	1	20
Potassium	6.53	mg/L		5.556	0.720	105	75-125	0.2	20
Selenium	566	ug/L		555.6	ND	102	75-125	0.5	20
Sodium	65.1	mg/L	Q4	5.556	61.7	61	75-125	1	20
Thallium	545	ug/L		555.6	ND	98	75-125	0.5	20
Batch B524531 - No Prep - SM 2540 C-2011									
Blank (B524531-BLK1)				Prepared & Analyzed: 02/07/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B524531-BS1)				Prepared & Analyzed: 02/07/25					
Solids - total dissolved solids (TDS)	957	mg/L		1000		96	84.4-107		
Duplicate (B524531-DUP1)	**Sample: IB00317-01**			Prepared & Analyzed: 02/07/25					
Solids - total dissolved solids (TDS)	505	mg/L	M		550			9	5
Duplicate (B524531-DUP2)	**Sample: IB00543-01**			Prepared & Analyzed: 02/07/25					
Solids - total dissolved solids (TDS)	675	mg/L			705			4	5
Batch B524543 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B524543-BLK1)				Prepared & Analyzed: 02/06/25					
Sulfate	< 1.0	mg/L							
Fluoride	< 0.250	mg/L							
Chloride	< 1.0	mg/L							
Calibration Blank (B524543-CCB1)				Prepared & Analyzed: 02/06/25					
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Chloride	0.306	mg/L							
Calibration Check (B524543-CCV1)				Prepared & Analyzed: 02/06/25					
Sulfate	4.92	mg/L		5.000		98	90-110		
Fluoride	4.87	mg/L		5.000		97	90-110		
Chloride	4.72	mg/L		5.000		94	90-110		
Matrix Spike (B524543-MS1)	**Sample: IB00317-01**			Prepared & Analyzed: 02/06/25					
Sulfate	1.00E9	mg/L	Q4	1.500	21.6	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	39	NR	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B524543-MS2)	**Sample: IB00543-01**			Prepared & Analyzed: 02/06/25					
Chloride	1.0E9	mg/L	Q4	1.500	71	NR	80-120		
Fluoride	1.72	mg/L		1.500	0.366	90	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	187	NR	80-120		
Matrix Spike Dup (B524543-MSD1)	**Sample: IB00317-01**			Prepared & Analyzed: 02/06/25					
Sulfate	1.00E9	mg/L	Q4	1.500	21.6	NR	80-120	0	20
Chloride	1.0E9	mg/L	Q4	1.500	39	NR	80-120	0	20
Matrix Spike Dup (B524543-MSD2)	**Sample: IB00543-01**			Prepared & Analyzed: 02/06/25					
Chloride	1.0E9	mg/L	Q4	1.500	71	NR	80-120	0	20
Fluoride	1.71	mg/L		1.500	0.366	90	80-120	0.2	20
Sulfate	1.00E9	mg/L	Q4	1.500	187	NR	80-120	0	20
Batch B524643 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B524643-BLK1)				Prepared & Analyzed: 02/07/25					
Chloride	< 1.0	mg/L							
Sulfate	< 1.0	mg/L							
Fluoride	< 0.250	mg/L							
Calibration Blank (B524643-CCB1)				Prepared & Analyzed: 02/07/25					
Fluoride	0.00	mg/L							
Chloride	0.274	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B524643-CCV1)				Prepared & Analyzed: 02/07/25					
Chloride	4.77	mg/L		5.000		95	90-110		
Fluoride	5.08	mg/L		5.000		102	90-110		
Sulfate	5.02	mg/L		5.000		100	90-110		
Matrix Spike (B524643-MS1)	**Sample: IB01153-01**			Prepared & Analyzed: 02/07/25					
Fluoride	1.47	mg/L	Q1	3.000	ND	49	80-120		
Chloride	< 1.0	mg/L	Q4	3.000	47	NR	80-120		
Sulfate	1.71	mg/L	Q1	3.000	0.392	44	80-120		
Matrix Spike Dup (B524643-MSD1)	**Sample: IB01153-01**			Prepared & Analyzed: 02/08/25					
Fluoride	1.45	mg/L	Q2	3.000	ND	48	80-120	0.9	20
Chloride	< 1.0	mg/L	Q4	3.000	47	NR	80-120		20
Sulfate	1.69	mg/L	Q2	3.000	0.392	43	80-120	1	20
Batch B524645 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B524645-BLK1)				Prepared & Analyzed: 02/07/25					
Chloride	< 1.0	mg/L							
Sulfate	< 1.0	mg/L							
Calibration Blank (B524645-CCB1)				Prepared & Analyzed: 02/07/25					
Chloride	0.362	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B524645-CCV1)				Prepared & Analyzed: 02/07/25					
Sulfate	5.10	mg/L		5.000		102	90-110		
Chloride	4.96	mg/L		5.000		99	90-110		
Matrix Spike (B524645-MS1)	**Sample: IB00933-01**			Prepared & Analyzed: 02/07/25					
Sulfate	1.70	mg/L	Q1	3.000	0.183	50	80-120		
Chloride	< 1.0	mg/L	Q4	3.000	17	NR	80-120		
Matrix Spike Dup (B524645-MSD1)	**Sample: IB00933-01**			Prepared & Analyzed: 02/07/25					

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B524645-MSD1)	**Sample: IB00933-01**			Prepared & Analyzed: 02/07/25					
Chloride	< 1.0	mg/L	Q4	3.000	17	NR	80-120		20
Sulfate	1.69	mg/L	Q2	3.000	0.183	50	80-120	0.2	20
Batch B524652 - SW 3015 - EPA 6010B									
Blank (B524652-BLK1)				Prepared: 02/10/25 Analyzed: 02/13/25					
Lithium	< 20	ug/L							
LCS (B524652-BS1)				Prepared: 02/10/25 Analyzed: 02/13/25					
Lithium	508	ug/L		555.6		91	80-120		
Matrix Spike (B524652-MS1)	**Sample: IB00933-01**			Prepared: 02/10/25 Analyzed: 02/13/25					
Lithium	523	ug/L		555.6	11.4	92	75-125		
Matrix Spike Dup (B524652-MSD1)	**Sample: IB00933-01**			Prepared: 02/10/25 Analyzed: 02/13/25					
Lithium	511	ug/L		555.6	11.4	90	75-125	2	20
Batch B524652 - SW 3015 - EPA 6020A									
Blank (B524652-BLK1)				Prepared: 02/10/25 Analyzed: 02/11/25					
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 (B524652-BS1)				Prepared: 02/10/25 Analyzed: 02/11/25					
Antimony	538	ug/L		555.6		97	80-120		
Arsenic	545	ug/L		555.6		98	80-120		
Barium	561	ug/L		555.6		101	80-120		
Beryllium	554	ug/L		555.6		100	80-120		
Boron	538	ug/L		555.6		97	80-120		
Cadmium	559	ug/L		555.6		101	80-120		
Calcium	6.01	mg/L		5.556		108	80-120		
Chromium	579	ug/L		555.6		104	80-120		
Cobalt	590	ug/L		555.6		106	80-120		
Lead	590	ug/L		555.6		106	80-120		
Magnesium	6.38	mg/L		5.556		115	80-120		
Mercury	53.7	ug/L		55.56		97	80-120		
Molybdenum	552	ug/L		555.6		99	80-120		
Potassium	6.04	mg/L		5.556		109	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B524652-BS1)				Prepared: 02/10/25 Analyzed: 02/11/25					
Selenium	550	ug/L		555.6		99	80-120		
Sodium	6.31	mg/L		5.556		114	80-120		
Thallium	604	ug/L		555.6		109	80-120		
Matrix Spike (B524652-MS1)	**Sample: IB00933-01**			Prepared: 02/10/25 Analyzed: 02/11/25					
Antimony	536	ug/L		555.6	ND	97	75-125		
Arsenic	556	ug/L		555.6	12.9	98	75-125		
Barium	898	ug/L		555.6	354	98	75-125		
Beryllium	564	ug/L		555.6	ND	102	75-125		
Boron	687	ug/L		555.6	126	101	75-125		
Cadmium	555	ug/L		555.6	ND	100	75-125		
Calcium	151	mg/L	Q4	5.556	147	64	75-125		
Chromium	580	ug/L		555.6	ND	104	75-125		
Cobalt	570	ug/L		555.6	ND	103	75-125		
Lead	565	ug/L		555.6	ND	102	75-125		
Magnesium	63.6	mg/L	Q4	5.556	60.0	65	75-125		
Mercury	55.9	ug/L		55.56	0.189	100	75-125		
Molybdenum	572	ug/L		555.6	0.961	103	75-125		
Potassium	7.75	mg/L		5.556	1.84	106	75-125		
Selenium	550	ug/L		555.6	ND	99	75-125		
Sodium	75.3	mg/L	Q4	5.556	72.1	58	75-125		
Thallium	574	ug/L		555.6	ND	103	75-125		
Matrix Spike Dup (B524652-MSD1)	**Sample: IB00933-01**			Prepared: 02/10/25 Analyzed: 02/11/25					
Antimony	534	ug/L		555.6	ND	96	75-125	0.5	20
Arsenic	540	ug/L		555.6	12.9	95	75-125	3	20
Barium	878	ug/L		555.6	354	94	75-125	2	20
Beryllium	558	ug/L		555.6	ND	100	75-125	1	20
Boron	688	ug/L		555.6	126	101	75-125	0.3	20
Cadmium	538	ug/L		555.6	ND	97	75-125	3	20
Calcium	150	mg/L	Q4	5.556	147	45	75-125	0.7	20
Chromium	568	ug/L		555.6	ND	102	75-125	2	20
Cobalt	561	ug/L		555.6	ND	101	75-125	2	20
Lead	557	ug/L		555.6	ND	100	75-125	2	20
Magnesium	63.8	mg/L	Q4	5.556	60.0	68	75-125	0.3	20
Mercury	54.5	ug/L		55.56	0.189	98	75-125	3	20
Molybdenum	540	ug/L		555.6	0.961	97	75-125	6	20
Potassium	7.75	mg/L		5.556	1.84	106	75-125	0.09	20
Selenium	538	ug/L		555.6	ND	97	75-125	2	20
Sodium	75.7	mg/L	Q4	5.556	72.1	64	75-125	0.4	20
Thallium	567	ug/L		555.6	ND	102	75-125	1	20
Batch B524715 - No Prep - SM 2320 B-2011									
Duplicate (B524715-DUP2)	**Sample: IA04775-01**			Prepared & Analyzed: 02/10/25					
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	675	mg/L			675			0	10
Batch B524724 - No Prep - SM 2540 C-2011									
Blank (B524724-BLK1)				Prepared: 02/10/25 Analyzed: 02/11/25					

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

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B524724-BLK1)				Prepared: 02/10/25 Analyzed: 02/11/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B524724-BS1)				Prepared: 02/10/25 Analyzed: 02/11/25					
Solids - total dissolved solids (TDS)	947	mg/L		1000		95	84.4-107		
Duplicate (B524724-DUP1)	**Sample: IB00933-01**			Prepared: 02/10/25 Analyzed: 02/11/25					
Solids - total dissolved solids (TDS)	670	mg/L	M		775			15	5
Duplicate (B524724-DUP2)	**Sample: IB01153-01**			Prepared: 02/10/25 Analyzed: 02/11/25					
Solids - total dissolved solids (TDS)	860	mg/L	M		800			7	5
Batch B524738 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B524738-BLK1)				Prepared & Analyzed: 02/10/25					
Chloride	< 1.0	mg/L							
Sulfate	< 1.0	mg/L							
Calibration Blank (B524738-CCB1)				Prepared & Analyzed: 02/10/25					
Chloride	0.351	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B524738-CCV1)				Prepared & Analyzed: 02/10/25					
Chloride	4.91	mg/L		5.000		98	90-110		
Sulfate	5.03	mg/L		5.000		101	90-110		
Batch B525130 - No Prep - SM 4500-F C-2011									
Calibration Blank (B525130-CCB1)				Prepared & Analyzed: 02/14/25					
Fluoride	0.0150	mg/L							
Calibration Check (B525130-CCV1)				Prepared & Analyzed: 02/14/25					
Fluoride	0.715	mg/L		0.7000		102	90-110		
Batch B525138 - No Prep - SM 2320 B-2011									
Duplicate (B525138-DUP1)	**Sample: IB00317-01**			Prepared & Analyzed: 02/14/25					
Alkalinity - bicarbonate as CaCO3	462	mg/L			462			0	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B525138-DUP2)	**Sample: IB00543-01**			Prepared & Analyzed: 02/14/25					
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	300	mg/L			300			0	10
Batch B525264 - No Prep - SM 2320 B-2011									
Duplicate (B525264-DUP1)	**Sample: IB00933-01**			Prepared & Analyzed: 02/17/25					
Alkalinity - bicarbonate as CaCO3	738	mg/L			700			5	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B525264-DUP2)	**Sample: IB01153-01**			Prepared & Analyzed: 02/17/25					
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	838	mg/L			775			8	10

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

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

M	Analyte failed to meet the required acceptance criteria for duplicate analysis.
Q1	Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q2	Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q3	Matrix Spike/Matrix Spike Duplicate both 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.
V2	Acceptance criteria for the Continuing Calibration Verification (CCV) were exceeded high with associated non-detect samples. The associated non-detect results are qualified and reported.

Certified by: Diane Billings, Project Manager

1A04775

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S															X	X		
2	AP07S															X	X		
3	AW-01 DUP	WW	G	01/31/25	10:40		3	X		X						X	X		
4	AW-05 or ~~Field dup~~ 11/31/25	WW	G	01/31/25	10:40		3	X		X						X	X		
5	AW-06															X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16	WW	G	01/31/25	12:25		3	X		X						X	X		
14	AW-17 or ~~Field dup~~ DUP 11/31/25	WW	G	01/31/25	12:25		3	X		X						X	X		
15	AW-18	WW	G	01/31/25	13:37		3	X		X						X	X		
16	AW-19	WW	G	01/31/25	14:45		3	X		X						X	X		

IR Gun # 15 Correction Factor (Deg C) +0.4

Observed Temp (Deg C) 8.5 Corrected Temp (Deg C) 8.9

Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	Andy Weteska	01/31/25	15:15	[illegible]	1/31/25	1515	Temp in °C / Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Weteska

SIGNATURE of SAMPLER: Andy Weteska

DATE Signed (MM/DD/YY): 01/31/25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Corp-Edwards Work Order #: _____ Completed by / Date: CAP 1/31/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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: CAP 1/31/25	☐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.

1B00317

CHAIN-OF-CUSTODY / Analytical Request Document

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

62

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S															X	X		
2	AP07S															X	X		
3	AW-01															X	X		
4	AW-05															X	X		
5	AW-06	WT	G	02/03/25	1449		6	X		X						X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16															X	X		
14	AW-17															X	X		
15	AW-18															X	X		
16	AW-19															X	X		

IR Gun # 20 Correction Factor (Deg C) +0.1
Observed Temp (Deg C) 13.8 Corrected Temp (Deg C) 13.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	JBohannan	02/03/25	1542	[signature]	2/3/25	1542	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: JBohannan DATE Signed (MM/DD/YY): 02/03/2025

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

1B00317

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 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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21	WT	G	02/03/25	1303		3	X		X						X	X		
2	SG-01															X	X		
3	XPW01A															X	X		
4	XPW02															X	X		
5	XPW03															X	X		
6	Field Blank																		
7	AW-06 DUP			2/3/25	1449														
8					2/3/25														
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 20 Correction Factor (Deg C) +0.1
Observed Temp (Deg C) 13.8 Corrected Temp (Deg C) 13.9
Delivery Method: FedEx UPS Walk-in USPS Other
~~Fed~~ CART

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	JBohannan	02/03/25	1542		2/3/25	1542

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: JBohannan

DATE Signed (MM/DD/YY): 02/03/25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Work Order #: 1B00317 Completed by / Date: CAPI 2/3/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	Sampled today, on ice
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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	CAPI 2/3/25 ☐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.

DC#_Title: FULL-TIME EDW-QSP-04 General Bottle Receipt Form
Effective Date:

WORK ORDER #: 1800317 INITIALS: CAPI 2/3/25

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	2	1								
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total	2	1								
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	2	1								
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B00543-08

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S																X	X		
2	AP07S	WT	G	02/04/25	1529		3	X		X							X	X		
3	AW-01																X	X		
4	AW-05																X	X		
5	AW-06																X	X		
6	AW-08																X	X		
7	AW-09	WT	G	4-Feb-25	1110		3	X		X							X	X		
8	AW-10																X	X		
9	AW-11	WT	G	02/04/25	1309		3	X		X							X	X		
10	AW-14	WT	G	4-Feb-25	1338		3	X		X							X	X		
11	AW-15	WT	G	4-Feb-25	1458		3	X		X							X	X		
12	AW-15S	WT	G	4-Feb-25	1554		3	X		X							X	X		
13	AW-16																X	X		
14	AW-17	WT	G	4-Feb-25	1227		3	X		X							X	X		
15	AW-18																X	X		
16	AW-19																X	X		

R Gun # 18 Correction Factor (Deg C) 0.0
Received Temp (Deg C) 2.7 Corrected Temp (Deg C) 2.7
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	JBohannon	02/04/25	1636			
					2/4/25	1636

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannon

SIGNATURE of SAMPLER: JBohannon

DATE Signed (MM/DD/YY): 02/04/25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

1B00543

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 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 #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21															X	X		
2	SG-01															X	X		
3	XPW01A															X	X		
4	XPW02															X	X		
5	XPW03															X	X		
6	Field Blank																		
7	AW-11 Dup	WT	G	02/04/25	1309		3	X		X									
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 18 Correction Factor (Deg C) +.1
Observed Temp (Deg C) 26 Corrected Temp (Deg C) 27
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	JBohannon	02/04/25	1636				
					2/4/25	1636	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannon

SIGNATURE of SAMPLER: JBohannon

DATE Signed (MM/DD/YY): 02/04/25

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vista Work Order #: 1B00543 Completed by / Date: 1/2 2/4/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐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.

DC#_Title: ENV-FRM-PEOR-0005 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: 1600543 INITIALS: ND

Plastic Bottles	-1 X 8	-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										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_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 $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B00933

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S															X	X		
2	AP07S															X	X		
3	AW-01															X	X		
4	AW-05															X	X		
5	AW-06															X	X		
6	AW-08	WT	G	5-Feb-25	1611		3	X		X						X	X		
7	AW-09															X	X		
8	AW-10	WT	G	5-Feb-25	1450		3	X		X						X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16															X	X		
14	AW-17															X	X		
15	AW-18															X	X		
16	AW-19															X	X		

IR Gun # 18 Correction Fac (Deg C) 0.0
Observed Temp (Deg C) 2.4 Corrected Temp (Deg C) 2.4
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EDW-25Q1 Rev 0	Austin M	5-Feb-25	1652							
					2/5/25	1652	2.4	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Austin Moore

SIGNATURE of SAMPLER: Austin M

DATE Signed (MM/DD/YY): 02/05/25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

1B00933

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

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 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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21															X	X		
2	SG-01															X	X		
3	XPW01A	WT	X	5-Feb-25	1321		2	X		X						X	X		
4	XPW02	WT	X		1224		2	X		X						X	X		
5	XPW03	WT	X		1131		2	X		X						X	X		
6	Field Blank																		
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 18 Correction Factor (Deg C) 0.0

Observed Temp (Deg C) 2.4 Corrected Temp (Deg C) 2.4

Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EDW-25Q1 Rev 0	[signature]	5-Feb-25	1652							
				[signature]	2/5/25	1052	2.4	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Austin Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/05/25

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Edwards Work Order #: 1B000933 Completed by / Date: 2/5/25 SKG

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐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 #: 1B00933 INITIALS: SKG

	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
Plastic Bottles										
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3										
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B01153

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S	WT	G	6-Feb-25	1137		3	X		X						X	X		
2	AP07S															X	X		
3	AW-01															X	X		
4	AW-05	WT	G	6-Feb-25	1834		3	X		X						X	X		
5	AW-06															X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16															X	X		
14	AW-17															X	X		
15	AW-18															X	X		
16	AW-19															X	X		

IR Gun # 18 Correction Factor (Deg C) +0.1°C

Observed Temp (Deg C) 6.3 Corrected Temp (Deg C) ~~6.3~~ BDS 6.4

Delivery Method: FedEx UPS Walk-in USPS Other Field Sampler

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	[signature]	6-Feb-25	1206	see below			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Austin Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/06/25

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

Balasonnavette 2/6/25 12:06

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

74

1B01153

CHAIN-OF-CUSTODY / Analytical Request Document

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

75

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21															X	X		
2	SG-01															X	X		
3	XPW01A															X	X		
4	XPW02															X	X		
5	XPW03															X	X		
6	Field Blank	WT	G	6-Feb-25	1145		3	X		X									
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 18 Correction Factor (Deg C) +0.1°C
Observed Temp (Deg C) 6.3°C Corrected Temp (Deg C) 6.4°C
Delivery Method: FedEx UPS Walk-in USPS Other

Field Sampler

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	[signature]	6-Feb-25	1205	See below			

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Austin Moore
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/06/25

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

Balasonnawelli 02/06/25 12:06.

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vista Corp. Edwards Work Order #: 1B01153 Completed by / Date: BPJ 2/6/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (Methods 8260, 624, 524.2 - including THM vials)<br*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:	☐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.

DC#_Title: ENV-FRM-PCOR-0003-04 General Bottle Receipt Form
Effective Date: 7/1/2024

WORK ORDER #: 1301153 INITIALS: BPJ 2/6/25

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1	1	1							
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total	1	1	1							
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	1	1	1							
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
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

February 25, 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,

Diane Billings
Project Manager

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

ANALYTICAL RESULTS

Sample: IA04780-01
Name: AW-01
Matrix: Ground Water - Grab
Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.896	pCi/L			1	0.677	02/13/25 13:10	PACE	904.0 903.0

Sample: IA04780-02
Name: AW-01 DUP
Matrix: Ground Water - Field Duplicate
Sampled: 01/31/25 10:40
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.449 J	pCi/L			1	0.691	02/13/25 13:10	PACE	904.0 903.0

Sample: IA04780-03
Name: AW-16
Matrix: Ground Water - Grab
Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	4.52	pCi/L			1	1.06	02/13/25 13:10	PACE	904.0 903.0

Sample: IA04780-04
Name: AW-16 DUP
Matrix: Ground Water - Field Duplicate
Sampled: 01/31/25 12:25
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.21	pCi/L			1	1.24	02/10/25 16:54	PACE	904.0 903.0

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ANALYTICAL RESULTS

Sample: IA04780-05
Name: AW-18
Matrix: Ground Water - Grab

Sampled: 01/31/25 13:37
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	4.39	pCi/L			1	1.12	02/10/25 16:54	PACE	904.0 903.0

Sample: IA04780-06
Name: AW-19
Matrix: Ground Water - Grab

Sampled: 01/31/25 14:45
Received: 01/31/25 15:15
PO #: 2450166

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.22	pCi/L			1	0.592	02/10/25 16:54	PACE	904.0 903.0

Sample: IB00329-01
Name: AW-06
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.204 J	pCi/L			1	0.444	02/17/25 23:15	PACE	904.0 903.0

Sample: IB00329-02
Name: AW-06 DUP
Matrix: Ground Water - Grab

Sampled: 02/03/25 14:49
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.637	pCi/L			1	0.436	02/18/25 13:15	PACE	904.0 903.0

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Peoria, IL 61615
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ANALYTICAL RESULTS

Sample: IB00329-03
Name: AW-21
Matrix: Ground Water - Grab
Sampled: 02/03/25 13:03
Received: 02/03/25 15:42
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.27	pCi/L			1	0.88	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-01
Name: AP07S
Matrix: Ground Water - Grab
Sampled: 02/04/25 15:29
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.929	pCi/L			1	0.452	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-02
Name: AW-09
Matrix: Ground Water - Grab
Sampled: 02/04/25 11:10
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.791	pCi/L			1	0.71	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-03
Name: AW-11
Matrix: Ground Water - Grab
Sampled: 02/04/25 13:09
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.35	pCi/L			1	0.582	02/18/25 13:15	PACE	904.0 903.0

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ANALYTICAL RESULTS

Sample: IB00550-04
Name: AW-14
Matrix: Ground Water - Grab
Sampled: 02/04/25 13:38
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	3.02	pCi/L			1	0.658	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-05
Name: AW-15
Matrix: Ground Water - Grab
Sampled: 02/04/25 14:58
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	4.48	pCi/L			1	0.712	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-06
Name: AW-15S
Matrix: Ground Water - Grab
Sampled: 02/04/25 15:54
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.28	pCi/L			1	0.633	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00550-07
Name: AW-17
Matrix: Ground Water - Grab
Sampled: 02/04/25 12:27
Received: 02/04/25 16:36
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	3.06	pCi/L			1	0.542	02/18/25 13:15	PACE	904.0 903.0

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ANALYTICAL RESULTS

Sample: IB00550-08 **Sampled:** 02/04/25 13:09
Name: AW-11 DUP **Received:** 02/04/25 16:36
Matrix: Ground Water - Grab **PO #:** 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.29	pCi/L			1	0.646	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00918-01 **Sampled:** 02/05/25 16:11
Name: AW-08 **Received:** 02/05/25 16:52
Matrix: Ground Water - Grab **PO #:** 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.53	pCi/L			1	0.481	02/18/25 13:15	PACE	904.0 903.0

Sample: IB00918-02 **Sampled:** 02/05/25 14:50
Name: AW-10 **Received:** 02/05/25 16:52
Matrix: Ground Water - Grab **PO #:** 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	3.41	pCi/L			1	1.08	02/18/25 13:15	PACE	904.0 903.0

Sample: IB01159-01 **Sampled:** 02/06/25 11:37
Name: AP05S **Received:** 02/06/25 12:06
Matrix: Ground Water - Grab **PO #:** 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	3.86	pCi/L			1	1.09	02/19/25 22:07	PACE	904.0 903.0

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2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IB01159-02
Name: AW-05
Matrix: Ground Water - Grab

Sampled: 02/06/25 10:34
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.664	pCi/L			1	0.499	02/19/25 22:07	PACE	904.0 903.0

Sample: IB01159-03
Name: FIELD BLANK
Matrix: DI Water - Field Blank

Sampled: 02/06/25 11:45
Received: 02/06/25 12:06
PO #: 2642614

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.12	pCi/L			1	1.18	02/19/25 23:23	PACE	904.0 903.0

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

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

February 18, 2025

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

Pace IR - Peoria, IL

Sample Delivery Group:	L1822869
Samples Received:	02/04/2025
Project Number:	IA04780
Description:	
Site:	01
Report To:	Diane Billings 2231 W. Altorfer Drive Peoria, IL 61615

Entire Report Reviewed By:

Ashley N Pullium
Project Manager

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

TABLE OF CONTENTS

SAMPLE SUMMARY

AW-01 L1822869-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 10:40	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2447151	1	02/06/25 22:41	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

AW-01 DUP L1822869-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 10:40	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2447151	1	02/06/25 22:41	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

AW-16 L1822869-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 12:25	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2447151	1	02/06/25 22:41	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/13/25 13:10	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

AW-16 DUP L1822869-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 12:25	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2445424	1	02/07/25 21:45	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

AW-18 L1822869-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 13:37	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2445424	1	02/07/25 21:45	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

AW-19 L1822869-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	01/31/25 14:45	02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2445424	1	02/07/25 21:45	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2446253	1	02/05/25 11:30	02/10/25 16:54	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2446253	1	02/05/25 11:30	02/10/25 14:52	ZRG	Mt. Juliet, TN

CASE NARRATIVE

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

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 pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.708		0.315	0.592	0.593	0.310	02/13/2025 13:10	WG2447151
(T) Barium	*136*					*30.0-143*	*02/13/2025 13:10*	WG2447151
(T) Yttrium	*101*					*30.0-136*	*02/13/2025 13:10*	WG2447151

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.896		0.391	0.677	02/13/2025 13:10	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.188	J	0.232	0.355	0.326	0.222	02/10/2025 14:52	WG2446253
(T) Barium-133	*110*					*30.0-143*	*02/10/2025 14:52*	WG2446253

AW-01 DUP SAMPLE RESULTS - 02

Collected date/time: 01/31/25 10:40 L1822869

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.373	J	0.294	0.572	0.564	0.296	02/13/2025 13:10	WG2447151
(T) Barium	*139*					*30.0-143*	*02/13/2025 13:10*	WG2447151
(T) Yttrium	*112*					*30.0-136*	*02/13/2025 13:10*	WG2447151

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.449	J	0.378	0.691	02/13/2025 13:10	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0762	U	0.237	0.394	0.400	0.264	02/10/2025 14:52	WG2446253
(T) Barium-133	*101*					*30.0-143*	*02/10/2025 14:52*	WG2446253

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.69		1.05	1.56	1.02	0.536	02/13/2025 13:10	WG2447151
(T) Barium	*128*					*30.0-143*	*02/13/2025 13:10*	WG2447151
(T) Yttrium	*82.6*					*30.0-136*	*02/13/2025 13:10*	WG2447151

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	4.52		1.19	1.06	02/13/2025 13:10	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.83		0.561	1.39	0.305	0.216	02/10/2025 14:52	WG2446253
(T) Barium-133	*106*					*30.0-143*	*02/10/2025 14:52*	WG2446253

AW-16 DUP SAMPLE RESULTS - 04

Collected date/time: 01/31/25 12:35 L1822869

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.407	U	0.634	1.14	1.21	0.636	02/10/2025 16:54	WG2445424
(T) Barium	*105*					*30.0-143*	*02/10/2025 16:54*	WG2445424
(T) Yttrium	*83.5*					*30.0-136*	*02/10/2025 16:54*	WG2445424

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.21		0.833	1.24	02/10/2025 16:54	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.81		0.540	1.29	0.288	0.203	02/10/2025 14:52	WG2446253
(T) Barium-133	*104*					*30.0-143*	*02/10/2025 14:52*	WG2446253

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.87		0.600	1.08	1.07	0.561	02/10/2025 16:54	WG2445424
(T) Barium	*115*					*30.0-143*	*02/10/2025 16:54*	WG2445424
(T) Yttrium	*91.7*					*30.0-136*	*02/10/2025 16:54*	WG2445424

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	4.39		0.780	1.12	02/10/2025 16:54	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.52		0.499	1.18	0.314	0.216	02/10/2025 14:52	WG2446253
(T) Barium-133	*106*					*30.0-143*	*02/10/2025 14:52*	WG2446253

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.716		0.248	0.461	0.458	0.240	02/10/2025 16:54	WG2445424
(T) Barium	*100*					*30.0-143*	*02/10/2025 16:54*	WG2445424
(T) Yttrium	*87.0*					*30.0-136*	*02/10/2025 16:54*	WG2445424

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.22		0.423	0.592	02/10/2025 16:54	WG2446253

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.506		0.343	0.650	0.375	0.250	02/10/2025 14:52	WG2446253
(T) Barium-133	*110*					*30.0-143*	*02/10/2025 14:52*	WG2446253

QUALITY CONTROL SUMMARY

L1822869-04,05,06

Method Blank (MB)

(MB) R4176536-1 02/07/25 17:45

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.394		0.183	0.350	0.183
(T) Barium	*128*		*128*		
(T) Yttrium	*87.3*		*87.3*		

L1821694-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1821694-02 02/07/25 17:45 • (DUP) R4176536-5 02/07/25 17:45

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	0.456	0.324	0.630	0.331	0.697	0.387	0.745	0.389	41.8	0.477	J	20	3
(T) Barium	*97.5*				*99.1*	*99.1*							
(T) Yttrium	*90.9*				*92.1*	*92.1*							

Laboratory Control Sample (LCS)

(LCS) R4176536-2 02/07/25 17:45

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.02	100	80.0-120	
(T) Barium			*84.3*		
(T) Yttrium			*91.1*		

L1821697-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1821697-01 02/07/25 17:45 • (MS) R4176536-3 02/07/25 17:45 • (MSD) R4176536-4 02/07/25 17:45

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	16.7	0.349	14.0	14.9	81.6	87.1	1	70.0-130			6.30		20
(T) Barium		*93.0*			*91.6*	*110*							
(T) Yttrium		*89.9*			*93.6*	*88.7*							

QUALITY CONTROL SUMMARY

L1822869-01,02,03

Method Blank (MB)

(MB) R4176838-1 02/11/25 16:31

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.363	U	0.258	0.247	
(T) Barium	*133*		*133*		
(T) Yttrium	*77.1*		*77.1*		

L1823134-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1823134-02 02/13/25 13:10 • (DUP) R4176838-5 02/12/25 17:51

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	1.76	0.669	0.648	0.340	2.03	0.311	0.522		14.4	0.369		20	3
(T) Barium	*132*				*123*	*123*							
(T) Yttrium	*87.3*				*89.2*	*89.2*							

Laboratory Control Sample (LCS)

(LCS) R4176838-2 02/12/25 17:51

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.89	97.8	80.0-120	
(T) Barium			*129*		
(T) Yttrium			*89.7*		

L1822864-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822864-02 02/13/25 13:10 • (MS) R4176838-3 02/12/25 17:51 • (MSD) R4176838-4 02/12/25 17:51

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	16.7	0.245	16.4	14.9	96.7	87.9	1	70.0-130			9.39		20
(T) Barium		*142*			*119*	*137*							
(T) Yttrium		*101*			*89.0*	*90.5*							

QUALITY CONTROL SUMMARY

L1822869-01,02,03,04,05,06

Method Blank (MB)

(MB) R4175382-1 02/10/25 14:52

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0515	J	0.0647	0.0905	0.0578
(T) Barium-133	*103*		*103*		

L1821694-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1821694-01 02/10/25 14:52 • (DUP) R4175382-5 02/10/25 14:52

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	0.201	0.170	0.182	0.138	0.220	0.218	0.278	0.193	8.97	0.0684	J	20	3
(T) Barium-133	*103*				*109*	*109*							

Laboratory Control Sample (LCS)

(LCS) R4175382-2 02/10/25 14:52

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.03	101	80.0-120	
(T) Barium-133			*105*		

L1822869-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822869-06 02/10/25 14:52 • (MS) R4175382-3 02/10/25 14:52 • (MSD) R4175382-4 02/10/25 14:52

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	0.506	20.1	16.5	98.1	80.1	1	75.0-125			19.7		20
(T) Barium-133		*110*			*105*	*111*							

GLOSSARY OF TERMS

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

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.
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.
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	LAO000356
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

IA04780

B216

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

L1822869

Sample: IA04780-01
Name: AW-01

Sampled: 01/31/25 10:40
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 10:40	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IA04780-02
Name: AW-01 DUP

Sampled: 01/31/25 10:40
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 10:40	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IA04780-03
Name: AW-16

Sampled: 01/31/25 12:25
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 12:25	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IA04780-04
Name: AW-16 DUP

Sampled: 01/31/25 12:25
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 12:25	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

15.8+0.4= 16.2

Sample Receipt Checklist

COC Seal Present/Intact:	~~Y__N~~	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~~	6 TOTAL	
RA Screen <0.5 mR/hr:	~~Y__N~~		

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IA04780

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

L1822869

Sample: IA04780-05
Name: AW-18

Sampled: 01/31/25 13:37
Matrix: Ground Water
Preservative: HNO3, pH <2

-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 13:37	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IA04780-06
Name: AW-19

Sampled: 01/31/25 14:45
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/13/25 16:00	07/30/25 14:45	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: 2/3/2025 Total # of Containers: 6 Sample Origin (State): IL PO #: _____

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

Relinquished By	Date/Time	Received By	Date/Time
Kyeli Dubogset	2/3/2025 14:35		
		Christopher J. Gallin	2/4/25 0900

Sample Temperature Upon Receipt	____ °C
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

[redacted]

ANALYTICAL REPORT

February 21, 2025

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

Pace IR - Peoria, IL

Sample Delivery Group:	L1824362
Samples Received:	02/07/2025
Project Number:	IB00329
Description:	
Site:	01
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

TABLE OF CONTENTS

SAMPLE SUMMARY

AW-06 L1824362-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/03/25 14:49	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/17/25 23:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/17/25 23:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-06 DUP L1824362-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/03/25 14:49	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-21 L1824362-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/03/25 13:03	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

CASE NARRATIVE

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

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 pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.00952	U	0.208	0.430	0.416	0.220	02/17/2025 23:15	WG2448023
(T) Barium	*89.5*					*30.0-143*	*02/17/2025 23:15*	WG2448023
(T) Yttrium	*89.5*					*30.0-136*	*02/17/2025 23:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.204	J	0.265	0.444	02/17/2025 23:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.194		0.164	0.302	0.155	0.128	02/13/2025 22:50	WG2449137
(T) Barium-133	*112*					*30.0-143*	*02/13/2025 22:50*	WG2449137

AW-06 DUP SAMPLE RESULTS - 02

Collected date/time: 02/03/25 14:49 L1824362

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.550		0.219	0.431	0.399	0.211	02/18/2025 13:15	WG2448023
(T) Barium	*88.5*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*101*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.637		0.250	0.436	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0873	J	0.121	0.210	0.177	0.139	02/13/2025 22:50	WG2449137
(T) Barium-133	*110*					*30.0-143*	*02/13/2025 22:50*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.08		0.472	0.964	0.861	0.456	02/18/2025 13:15	WG2448023
(T) Barium	*95.4*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*92.5*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.27		0.502	0.880	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.193		0.171	0.311	0.182	0.143	02/13/2025 22:50	WG2449137
(T) Barium-133	*97.7*					*30.0-143*	*02/13/2025 22:50*	WG2449137

QUALITY CONTROL SUMMARY

L1824362-01,02,03

Method Blank (MB)

(MB) R4178635-1 02/17/25 23:15

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0788	U	0.147	0.296	0.156
(T) Barium	*99.3*		*99.3*		
(T) Yttrium	*85.6*		*85.6*		

L1824365-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1824365-06 02/18/25 13:15 • (DUP) R4178635-5 02/17/25 23:15

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	1.07	0.323	0.577	0.305	1.34	0.488	0.920	0.481	22.2	0.458		20	3
(T) Barium	*89.9*				*73.7*	*73.7*							
(T) Yttrium	*98.1*				*90.4*	*90.4*							

Laboratory Control Sample (LCS)

(LCS) R4178635-2 02/17/25 23:15

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.37	87.4	80.0-120	
(T) Barium			*98.2*		
(T) Yttrium			*88.4*		

L1824362-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824362-03 02/18/25 13:15 • (MS) R4178635-3 02/17/25 23:15 • (MSD) R4178635-4 02/17/25 23:15

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	16.7	1.08	13.5	15.6	74.1	87.2	1	70.0-130			15.1		20
(T) Barium		*95.4*			*93.9*	*89.5*							
(T) Yttrium		*92.5*			*95.2*	*94.3*							

QUALITY CONTROL SUMMARY

L1824362-01,02,03

Method Blank (MB)

(MB) R4177315-1 02/13/25 22:49

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00188	U	0.00823	0.0433	0.0358
(T) Barium-133	*99.9*		*99.9*		

L1824362-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1824362-02 02/13/25 22:50 • (DUP) R4177315-5 02/13/25 22:49

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	0.0873	0.121	0.177	0.139	-0.00679	0.0988	0.236	0.169	200	0.602	U	20	3
(T) Barium-133	*110*				*111*	*111*							

Laboratory Control Sample (LCS)

(LCS) R4177315-2 02/13/25 22:49

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.73	94.6	80.0-120	
(T) Barium-133			*108*		

L1824365-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824365-01 02/13/25 22:50 • (MS) R4177315-3 02/13/25 22:49 • (MSD) R4177315-4 02/13/25 22:49

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	0.0903	15.6	15.3	77.7	76.1	1	75.0-125			2.13		20
(T) Barium-133		*101*			*109*	*106*							

GLOSSARY OF TERMS

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

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.
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.
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	LAO000356
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.

14.0 10.4 TOV

Sample Receipt Checklist

COC Seal Present/Intact:	X Y N	If Applicable	
COC Signed/Accurate:	X Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	X Y N	Pres. Correct/Check:	Y N
Correct bottles used:	X Y N		
Sufficient volume sent:	X Y N		
RA Screen <0.5 mR/hr:	X Y N		

3 TOTAL

SUBCONTRACT ORDER
Chain of Custody
Pace Analytical Services, LLC
IB00329

B132

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

L1524362

Sample: IB00329-01
Name: AW-06

Sampled: 02/03/25 14:49
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/14/25 16:00	08/02/25 14:49	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00329-02
Name: AW-06 DUP

Sampled: 02/03/25 14:49
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/14/25 16:00	08/02/25 14:49	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00329-03
Name: AW-21

Sampled: 02/03/25 13:03
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/14/25 16:00	08/02/25 13:03	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: 2-6-25 Total # of Containers: 3 Sample Origin (State): IL PO #: _____

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

Relinquished By	Date/Time	Received By	Date/Time
Carmelo Bernal	2-6-25 10:58		
		Christopher Gallin	2/7/25 0900

Sample Temperature Upon Receipt	____ °C
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

ANALYTICAL REPORT

February 24, 2025

Revised Report

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

Pace IR - Peoria, IL

Sample Delivery Group:	L1824365
Samples Received:	02/07/2025
Project Number:	IB00550
Description:	
Site:	01
Report To:	Diane Billings 2231 W. Altorfer Drive Peoria, IL 61615

Entire Report Reviewed By:

Ashley N Pullium
Project Manager

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

TABLE OF CONTENTS

SAMPLE SUMMARY

AP07S L1824365-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 15:29	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-09 L1824365-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 11:10	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-11 L1824365-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 13:09	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-14 L1824365-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 13:38	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:50	ZRG	Mt. Juliet, TN

AW-15 L1824365-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 14:58	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/14/25 10:54	ZRG	Mt. Juliet, TN

AW-15S L1824365-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 15:54	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/14/25 10:54	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

AW-17 L1824365-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 12:27	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/14/25 10:54	ZRG	Mt. Juliet, TN

AW-11 DUP L1824365-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/04/25 13:09	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/14/25 10:54	ZRG	Mt. Juliet, TN

CASE NARRATIVE

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

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

Report Revision History

Level II Report - Version 1: 02/21/25 14:29

Project Narrative

Edited time to reflect COC

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.838		0.240	0.463	0.427	0.226	02/18/2025 13:15	WG2448023
(T) Barium	*83.3*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*95.3*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.929		0.265	0.452	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0903	J	0.113	0.208	0.149	0.123	02/13/2025 22:50	WG2449137
(T) Barium-133	*101*					*30.0-143*	*02/13/2025 22:50*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.571	J	0.376	0.659	0.694	0.363	02/18/2025 13:15	WG2448023
(T) Barium	*98.6*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*97.2*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.791		0.413	0.710	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.220		0.170	0.320	0.149	0.123	02/13/2025 22:50	WG2449137
(T) Barium-133	*102*					*30.0-143*	*02/13/2025 22:50*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.55		0.329	0.621	0.571	0.301	02/18/2025 13:15	WG2448023
(T) Barium	*95.4*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*94.6*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.35		0.474	0.582	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.798		0.341	0.735	0.114	0.114	02/13/2025 22:50	WG2449137
(T) Barium-133	*113*					*30.0-143*	*02/13/2025 22:50*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.32		0.381	0.666	0.650	0.341	02/18/2025 13:15	WG2448023
(T) Barium	*98.7*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*96.1*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	3.02		0.489	0.658	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.700		0.307	0.588	0.105	0.105	02/13/2025 22:50	WG2449137
(T) Barium-133	*104*					*30.0-143*	*02/13/2025 22:50*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.95		0.373	0.661	0.613	0.322	02/18/2025 13:15	WG2448023
(T) Barium	*100*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*92.7*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	4.48		0.613	0.712	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.54		0.487	1.13	0.362	0.231	02/14/2025 10:54	WG2449137
(T) Barium-133	*103*					*30.0-143*	*02/14/2025 10:54*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.07		0.323	0.619	0.577	0.305	02/18/2025 13:15	WG2448023
(T) Barium	*89.9*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*98.1*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.28		0.382	0.633	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.206	J	0.204	0.310	0.260	0.180	02/14/2025 10:54	WG2449137
(T) Barium-133	*88.7*					*30.0-143*	*02/14/2025 10:54*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.18		0.306	0.583	0.503	0.266	02/18/2025 13:15	WG2448023
(T) Barium	*111*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*101*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	3.06		0.457	0.542	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.877		0.339	0.711	0.201	0.149	02/14/2025 10:54	WG2449137
(T) Barium-133	*102*					*30.0-143*	*02/14/2025 10:54*	WG2449137

AW-11 DUP SAMPLE RESULTS - 08

Collected date/time: 02/04/25 12:09 L1824365

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.93		0.342	0.640	0.580	0.307	02/18/2025 13:15	WG2448023
(T) Barium	*97.4*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*88.9*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.29		0.430	0.646	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.369		0.261	0.452	0.285	0.194	02/14/2025 10:54	WG2449137
(T) Barium-133	*108*					*30.0-143*	*02/14/2025 10:54*	WG2449137

QUALITY CONTROL SUMMARY

L1824365-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R4178635-1 02/17/25 23:15

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0788	U	0.147	0.296	0.156
(T) Barium	*99.3*		*99.3*		
(T) Yttrium	*85.6*		*85.6*		

L1824365-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1824365-06 02/18/25 13:15 • (DUP) R4178635-5 02/17/25 23:15

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	1.07	0.323	0.577	0.305	1.34	0.488	0.920	0.481	22.2	0.458		20	3
(T) Barium	*89.9*				*73.7*	*73.7*							
(T) Yttrium	*98.1*				*90.4*	*90.4*							

Laboratory Control Sample (LCS)

(LCS) R4178635-2 02/17/25 23:15

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.37	87.4	80.0-120	
(T) Barium			*98.2*		
(T) Yttrium			*88.4*		

L1824362-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824362-03 02/18/25 13:15 • (MS) R4178635-3 02/17/25 23:15 • (MSD) R4178635-4 02/17/25 23:15

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	16.7	1.08	13.5	15.6	74.1	87.2	1	70.0-130			15.1		20
(T) Barium		*95.4*			*93.9*	*89.5*							
(T) Yttrium		*92.5*			*95.2*	*94.3*							

QUALITY CONTROL SUMMARY

L1824365-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R4177315-1 02/13/25 22:49

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00188	U	0.00823	0.0433	0.0358
(T) Barium-133	*99.9*		*99.9*		

L1824362-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1824362-02 02/13/25 22:50 • (DUP) R4177315-5 02/13/25 22:49

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	0.0873	0.121	0.177	0.139	-0.00679	0.0988	0.236	0.169	200	0.602	U	20	3
(T) Barium-133	*110*				*111*	*111*							

Laboratory Control Sample (LCS)

(LCS) R4177315-2 02/13/25 22:49

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.73	94.6	80.0-120	
(T) Barium-133			*108*		

L1824365-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824365-01 02/13/25 22:50 • (MS) R4177315-3 02/13/25 22:49 • (MSD) R4177315-4 02/13/25 22:49

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	0.0903	15.6	15.3	77.7	76.1	1	75.0-125			2.13		20
(T) Barium-133		*101*			*109*	*106*							

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.

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.
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.
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	LAO000356
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

B133

Pace Analytical Services, LLC

IB00550

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

L824365

Sample: IB00550-01
Name: AP07S

Sampled: 02/04/25 15:29
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 15:29	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-02
Name: AW-09

Sampled: 02/04/25 11:10
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 11:10	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-03
Name: AW-11

Sampled: 02/04/25 ~~13:04~~ 1309 214125 dab
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 13:04	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-04
Name: AW-14

Sampled: 02/04/25 13:38
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 13:38	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

14.0+0.4=14.4

Sample Receipt Checklist

COC Seal Present/Intact: X Y N
COC Signed/Accurate: X Y N
Bottles arrive intact: X Y N
Correct bottles used: X Y N
Sufficient volume sent: X Y N
RA Screen <0.5 mR/hr: X Y N

If Applicable
VOA Zero Headspace: Y N
Pres. Correct/Check: Y N

6 TOTAL

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IB00550

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

U824365

Sample: IB00550-05
Name: AW-15

Sampled: 02/04/25 14:58
Matrix: Ground Water
Preservative: HNO3, pH <2

-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 14:58	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-06
Name: AW-15S

Sampled: 02/04/25 15:54
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 15:54	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-07
Name: AW-17

Sampled: 02/04/25 12:27
Matrix: Ground Water
Preservative: HNO3, pH <2

-07

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 12:27	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00550-08
Name: AW-11 DUP

Sampled: 02/04/25 13:09
Matrix: Ground Water
Preservative: HNO3, pH <2

-08

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/17/25 16:00	08/03/25 13:09	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IB00550

L1824365

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

Date Shipped: 2-6-25 Total # of Containers: 8 Sample Origin (State): IL PO #: _____

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

Relinquished By	Date/Time	Received By	Date/Time
Carrolan Bennett	2-6-25 1109		
		Christopher L. Gallerin	2/7/25 0900

Sample Temperature Upon Receipt	____ °C
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

L# L1824365

Fed Ex tracking #	Gun ID	Temperature
409289252126		14.0+0.4=14.4
2115		12.5+0.4=12.9

Name

Date

ANALYTICAL REPORT

February 21, 2025

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

Pace IR - Peoria, IL

Sample Delivery Group:	L1824370
Samples Received:	02/07/2025
Project Number:	IB00918
Description:	
Site:	01
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

TABLE OF CONTENTS

SAMPLE SUMMARY

AW-08 L1824370-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/05/25 16:11	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/13/25 22:49	ZRG	Mt. Juliet, TN

AW-10 L1824370-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/05/25 14:50	02/07/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2448023	1	02/11/25 15:57	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2449137	1	02/12/25 12:36	02/18/25 13:15	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2449137	1	02/12/25 12:36	02/14/25 10:54	ZRG	Mt. Juliet, TN

CASE NARRATIVE

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

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 pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.07		0.242	0.455	0.422	0.223	02/18/2025 13:15	WG2448023
(T) Barium	*102*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*86.9*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.53		0.357	0.481	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.458		0.262	0.542	0.230	0.165	02/13/2025 22:49	WG2449137
(T) Barium-133	*101*					*30.0-143*	*02/13/2025 22:49*	WG2449137

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.70		0.577	1.07	1.04	0.548	02/18/2025 13:15	WG2448023
(T) Barium	*92.2*					*30.0-143*	*02/18/2025 13:15*	WG2448023
(T) Yttrium	*94.6*					*30.0-136*	*02/18/2025 13:15*	WG2448023

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	3.41		0.764	1.08	02/18/2025 13:15	WG2449137

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.71		0.501	1.26	0.278	0.193	02/14/2025 10:54	WG2449137
(T) Barium-133	*105*					*30.0-143*	*02/14/2025 10:54*	WG2449137

QUALITY CONTROL SUMMARY

L1824370-01,02

Method Blank (MB)

(MB) R4178635-1 02/17/25 23:15

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0788	U	0.147	0.296	0.156
(T) Barium	*99.3*		*99.3*		
(T) Yttrium	*85.6*		*85.6*		

L1824365-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1824365-06 02/18/25 13:15 • (DUP) R4178635-5 02/17/25 23:15

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	1.07	0.323	0.577	0.305	1.34	0.488	0.920	0.481	22.2	0.458		20	3
(T) Barium	*89.9*				*73.7*	*73.7*							
(T) Yttrium	*98.1*				*90.4*	*90.4*							

Laboratory Control Sample (LCS)

(LCS) R4178635-2 02/17/25 23:15

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.37	87.4	80.0-120	
(T) Barium			*98.2*		
(T) Yttrium			*88.4*		

L1824362-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824362-03 02/18/25 13:15 • (MS) R4178635-3 02/17/25 23:15 • (MSD) R4178635-4 02/17/25 23:15

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	16.7	1.08	13.5	15.6	74.1	87.2	1	70.0-130			15.1		20
(T) Barium		*95.4*			*93.9*	*89.5*							
(T) Yttrium		*92.5*			*95.2*	*94.3*							

QUALITY CONTROL SUMMARY

L1824370-01,02

Method Blank (MB)

(MB) R4177315-1 02/13/25 22:49

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00188	U	0.00823	0.0433	0.0358
(T) Barium-133	*99.9*		*99.9*		

L1824362-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1824362-02 02/13/25 22:50 • (DUP) R4177315-5 02/13/25 22:49

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	0.0873	0.121	0.177	0.139	-0.00679	0.0988	0.236	0.169	200	0.602	U	20	3
(T) Barium-133	*110*				*111*	*111*							

Laboratory Control Sample (LCS)

(LCS) R4177315-2 02/13/25 22:49

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.73	94.6	80.0-120	
(T) Barium-133			*108*		

L1824365-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824365-01 02/13/25 22:50 • (MS) R4177315-3 02/13/25 22:49 • (MSD) R4177315-4 02/13/25 22:49

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	0.0903	15.6	15.3	77.7	76.1	1	75.0-125			2.13		20
(T) Barium-133		*101*			*109*	*106*							

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.

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.
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.
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
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	LAO000356
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.

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SUBCONTRACT ORDER
Transfer Chain of Custody

B134

Pace Analytical Services, LLC

IB00918

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

L1524370

Sample: IB00918-01
Name: AW-08

Sampled: 02/05/25 16:11
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/19/25 16:00	08/04/25 16:11	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB00918-02
Name: AW-10

Sampled: 02/05/25 14:50
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/19/25 16:00	08/04/25 14:50	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

125TA6129

Sample Receipt Checklist

			If Applicable	
COC Seal Present/Intact:	~~Y~~ N		VOA Zero Headspace:	Y N
COC Signed/Accurate:	~~Y~~ N		Pres. Correct/Check:	Y N
Bottles arrive intact:	~~Y~~ N			
Correct bottles used:	~~Y~~ N			
Sufficient volume sent:	~~Y~~ N			
RA Screen <0.5 mR/hr:	~~Y~~ N			

2 TOTAL

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

Date Shipped: 2-6-25 Total # of Containers: 2 Sample Origin (State): IL PO #: _____

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

Relinquished By	Date/Time	Received By	Date/Time
Camelen Bennett	2-6-25 11:12		2/7/25
		Christopher L. Gallin	2/3/25 0900
Relinquished By	Date/Time	Received By	Date/Time
			CG 2/7/25

Sample Temperature Upon Receipt	____ °C
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

ANALYTICAL REPORT

February 21, 2025

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

Pace IR - Peoria, IL

Sample Delivery Group:	L1825248
Samples Received:	02/11/2025
Project Number:	IB01159
Description:	
Site:	01
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

TABLE OF CONTENTS

SAMPLE SUMMARY

AP05S L1825248-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/06/25 11:37	02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2449701	1	02/12/25 10:28	02/18/25 21:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2452449	1	02/17/25 08:11	02/19/25 22:07	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2452449	1	02/17/25 08:11	02/19/25 22:07	ZRG	Mt. Juliet, TN

AW-05 L1825248-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/06/25 10:34	02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2449701	1	02/12/25 10:28	02/18/25 21:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2452449	1	02/17/25 08:11	02/19/25 22:07	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2452449	1	02/17/25 08:11	02/19/25 22:07	ZRG	Mt. Juliet, TN

FIELD BLANK L1825248-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/06/25 11:45	02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2449701	1	02/12/25 10:28	02/18/25 21:10	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2452449	1	02/17/25 08:11	02/19/25 23:23	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2452449	1	02/17/25 08:11	02/19/25 23:23	ZRG	Mt. Juliet, TN

CASE NARRATIVE

1 Cp
2 Tc
3 Ss
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6 Qc
7 Gl
8 Al
9 Sc

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 pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.67		0.648	1.15	1.07	0.563	02/18/2025 21:10	WG2449701
(T) Barium	*115*					*30.0-143*	*02/18/2025 21:10*	WG2449701
(T) Yttrium	*86.6*					*30.0-136*	*02/18/2025 21:10*	WG2449701

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	3.86		0.763	1.09	02/19/2025 22:07	WG2452449

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.19		0.402	0.981	0.230	0.165	02/19/2025 22:07	WG2452449
(T) Barium-133	*104*					*30.0-143*	*02/19/2025 22:07*	WG2452449

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.664		0.243	0.463	0.412	0.218	02/18/2025 21:10	WG2449701
(T) Barium	*91.4*					*30.0-143*	*02/18/2025 21:10*	WG2449701
(T) Yttrium	*88.4*					*30.0-136*	*02/18/2025 21:10*	WG2449701

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.664		0.278	0.499	02/19/2025 22:07	WG2452449

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	-0.0192	U	0.135	0.168	0.282	0.189	02/19/2025 22:07	WG2452449
(T) Barium-133	*102*					*30.0-143*	*02/19/2025 22:07*	WG2452449

FIELD BLANK SAMPLE RESULTS - 03

Collected date/time: 02/06/25 11:45 L1825248

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.05		0.667	1.15	1.13	0.591	02/18/2025 21:10	WG2449701
(T) Barium	*113*					*30.0-143*	*02/18/2025 21:10*	WG2449701
(T) Yttrium	*91.4*					*30.0-136*	*02/18/2025 21:10*	WG2449701

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.12		0.694	1.18	02/19/2025 23:23	WG2452449

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0703	U	0.191	0.262	0.326	0.222	02/19/2025 23:23	WG2452449
(T) Barium-133	*111*					*30.0-143*	*02/19/2025 23:23*	WG2452449

QUALITY CONTROL SUMMARY

L1825248-01,02,03

Method Blank (MB)

(MB) R4178652-1 02/18/25 21:10

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.0762	U	0.167	0.297	0.156
(T) Barium	*118*		*118*		
(T) Yttrium	*95.5*		*95.5*		

L1825256-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825256-01 02/18/25 21:10 • (DUP) R4178652-5 02/18/25 21:10

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	1.22	0.318	0.526	0.279	0.116	0.398	0.704	0.367	165	2.17	U	20	3
(T) Barium	*120*				*116*	*116*							
(T) Yttrium	*89.9*				*88.8*	*88.8*							

Laboratory Control Sample (LCS)

(LCS) R4178652-2 02/18/25 21:10

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.07	101	80.0-120	
(T) Barium			*122*		
(T) Yttrium			*90.7*		

L1825248-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825248-03 02/18/25 21:10 • (MS) R4178652-3 02/18/25 21:10 • (MSD) R4178652-4 02/18/25 21:10

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	16.7	2.05	15.4	16.2	79.7	84.9	1	70.0-130			5.51		20
(T) Barium		*113*			*110*	*125*							
(T) Yttrium		*91.4*			*99.5*	*90.0*							

QUALITY CONTROL SUMMARY

L1825248-01,02,03

Method Blank (MB)

(MB) R4178542-1 02/19/25 22:07

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.00168	U	0.0202	0.0387	0.0244
(T) Barium-133	*87.9*		*87.9*		

L1825256-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1825256-05 02/19/25 23:23 • (DUP) R4178542-5 02/19/25 22:07

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	0.353	0.289	0.346	0.231	0.255	0.190	0.201	0.144	32.3	0.284		20	3
(T) Barium-133	*102*				*100*	*100*							

Laboratory Control Sample (LCS)

(LCS) R4178542-2 02/19/25 22:07

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.00	99.9	80.0-120	
(T) Barium-133			*94.1*		

L1825248-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825248-01 02/19/25 22:07 • (MS) R4178542-3 02/19/25 22:07 • (MSD) R4178542-4 02/19/25 22:07

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	1.19	20.9	21.9	98.4	104	1	75.0-125			5.00		20
(T) Barium-133		*104*			*106*	*102*							

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.

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.
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.
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
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	LAO000356
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

IB01159

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

LF6252446

B208

Sample: IB01159-01
Name: AP05S

Sampled: 02/06/25 11:37
Matrix: Ground Water
Preservative: HNO3, pH <2 -01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/18/25 16:00	08/05/25 11:37	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB01159-02
Name: AW-05

Sampled: 02/06/25 10:34
Matrix: Ground Water
Preservative: HNO3, pH <2 -02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/18/25 16:00	08/05/25 10:34	need Ra-226 , Ra-228, total combined and QC. 10 Day TAT

Sample: IB01159-03
Name: FIELD BLANK

Sampled: 02/06/25 11:45
Matrix: DI Water
Preservative: HNO3, pH <2 -03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	02/18/25 16:00	08/05/25 11:45	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: 2-10-25 Total # of Containers: 3 Sample Origin (State): IL PO #: _____

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

Carolyn Bennett 2-10-25 10:27 Hailey Rutledge 2/11/25 0900
Relinquished By Date/Time Received By Date/Time

Relinquished By

Sample Receipt Checklist 14.4+0.4=14.8 A9

COC Seal Present/Intact:	✓Y N*	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		
RA Screen <0.5 mR/hr:	Y N		

4092 8925 3810

Sample Temperature Upon Receipt	____ °C
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

~~1A04775~~
1A04780

CHAIN-OF-CUSTODY / Analytical Request Document

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

83

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S															X	X		
2	AP07S															X	X		
3	AW-01	WW	G	01/31/25	10:40		3	X		X						X	X		
4	AW-~~05~~ 01 ~~Field dup~~ DUP 1/31/25	WW	G	01/31/25	10:40		3	X		X						X	X		
5	AW-06															X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16	WW	G	01/31/25	12:25		3	X		X						X	X		
14	AW-~~07~~ ~~No Field dup~~ DUP 1/31/25	WW	G	01/31/25	12:25		3	X		X						X	X		
15	AW-18	WW	G	01/31/25	13:37		3	X		X						X	X		
16	AW-19	WW	G	01/31/25	14:45		3	X		X						X	X		

IR Gun # 15 Correction Factor (Deg C) +0.4
Observed Temp (Deg C) 8.5 Corrected Temp (Deg C) 8.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	Andy Weteska	01/31/25	15:15			
					1/31/25	1515

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

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Andy Weteska
SIGNATURE of SAMPLER: Andy Weteska
DATE Signed (MM/DD/YY): 01/31/25

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Corp-Edwards Work Order #: _____ Completed by / Date: CAP 1/31/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (Methods 8260, 624, 524.2 - including THM vials)<br*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: CAP 1/31/25	☑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.

1B00317
2nd 1B00329

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S															X	X		
2	AP07S															X	X		
3	AW-01															X	X		
4	AW-05															X	X		
5	AW-06	WT	G	02/03/25	1449		6	X		X						X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16															X	X		
14	AW-17															X	X		
15	AW-18															X	X		
16	AW-19															X	X		

IR Gun #: 22 Correction Factor (Deg C): +0.1
Observed Temp (Deg C): 13.8 Corrected Temp (Deg C): 13.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	JBohannan	02/03/25	1542	[signature]	2/3/25	1542	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: JBohannan DATE Signed (MM/DD/YY): 02/03/2025

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

1B00317

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21	WT	G	02/03/25	1303		3	X		X						X	X		
2	SG-01															X	X		
3	XPW01A															X	X		
4	XPW02															X	X		
5	XPW03															X	X		
6	Field Blank																		
7	AW-06 DUP			2/3/25	1449														
8					2/3/25														
9					2/6														
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 20 Correction Factor (Deg C) +0.1
Observed Temp (Deg C) 13.8 Corrected Temp (Deg C) 13.9
Delivery Method: FedEx UPS Walk-in USPS Other
~~FedEx~~ CART

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	JBohannan	02/03/25	1542	[signature]	2/3/25	1542	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: JBohannan DATE Signed (MM/DD/YY): 02/03/25

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

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Work Order #: 1B00317 Completed by / Date: CAPI 2/3/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	• Sampled today, on ice
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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	CAPI 2/3/25 ☐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.

DC#_ Title: ENV-FRM-DEQR-0092-04_Cooler Receipt Form
Effective Date:

WORK ORDER #: 1800317 INITIALS: CAPI 2/3/25

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	2	1								
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total	2	1								
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	2	1								
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B00550

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S																X	X		
2	AP07S	WT	G	02/04/25	1529		3	X		X							X	X		
3	AW-01																X	X		
4	AW-05																X	X		
5	AW-06																X	X		
6	AW-08																X	X		
7	AW-09	WT	G	4-Feb-25	1110		3	X		X							X	X		
8	AW-10																X	X		
9	AW-11	WT	G	02/04/25	1309		3	X		X							X	X		
10	AW-14	WT	G	4-Feb-25	1328		3	X		X							X	X		
11	AW-15	WT	G	4-Feb-25	1458		3	X		X							X	X		
12	AW-15S	WT	G	4-Feb-25	1554		3	X		X							X	X		
13	AW-16																X	X		
14	AW-17	WT	G	4-Feb-25	1227		3	X		X							X	X		
15	AW-18																X	X		
16	AW-19																X	X		

Preservatives

Pi Chk # 1.8 Correction Factor (Deg C) 0.0

Received Temp (Deg C) 2.7 Corrected Temp (Deg C) 2.7

Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	JBohannon	02/04/25	1636			
					2/4/25	1636

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannon

SIGNATURE of SAMPLER: JBohannon DATE Signed (MM/DD/YY): 02/04/25

1B00550

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 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 #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21															X	X		
2	SG-01															X	X		
3	XPW01A															X	X		
4	XPW02															X	X		
5	XPW03															X	X		
6	Field Blank																		
7	AW-11 Dup	WT	G	02/04/25	1309		3	X		X									
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 18 Correction Factor (Deg C) +.1
Observed Temp (Deg C) 2.6 Corrected Temp (Deg C) 2.7
Delivery Method: FedEx UPS WalkIn USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EDW-25Q1 Rev 0	JBohannan	02/04/25	1636				
					2/4/25	1636	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: Bohannan

DATE Signed (MM/DD/YY): 02/04/25

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vista Work Order #: 1800550 Completed by / Date: 1/24/25

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐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.

DOC Title: ENV-FRM-TEOR-0003 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: 1B00550 INITIALS: ND

Plastic Bottles	-1 X 8	-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										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_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 $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B00918

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S																X	X		
2	AP07S																X	X		
3	AW-01																X	X		
4	AW-05																X	X		
5	AW-06																X	X		
6	AW-08	WT	G	5-Feb-25	1611		3	X		X							X	X		
7	AW-09																X	X		
8	AW-10	WT	G	5-Feb-25	1450		3	X		X							X	X		
9	AW-11																X	X		
10	AW-14																X	X		
11	AW-15																X	X		
12	AW-15S																X	X		
13	AW-16																X	X		
14	AW-17																X	X		
15	AW-18																X	X		
16	AW-19																X	X		

IR Gun #: 18 Correction Factor (Deg C): 0.0
Observed Temp (Deg C): 2.4 Corrected Temp (Deg C): 2.4
Delivery Method: FedEx UPS Walk in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EDW-25Q1 Rev 0	Austin M	5-Feb-25	1652							
					2/5/25	1652	2.4	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Austin Moore

SIGNATURE of SAMPLER: Austin M

DATE Signed (MM/DD/YY): 02/05/25

ENV-FRM-PEOR-0098 v03_Sample Condition Upon Receipt

Client Name: Vistra Edwards Rads Work Order #: 1B00918 Completed by / Date: 2/5/25 SKG

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals 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: (≤ 6°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	
Headspace (<6 mm or no bubbles) present in VOA vials – (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:	☐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.

DC# 845-QF-0304-04 Sample Receipt Form
Effective Date: 04/01/2025

EDWARDS POWER PLANT, ASH POND

WORK ORDER #: 1B00918 INITIALS: SKO

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3										
P, U, 2.5L	1	1								
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1B01159

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

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 #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP05S	WT	G	6-Feb-25	1137		3	X		X						X	X		
2	AP07S															X	X		
3	AW-01															X	X		
4	AW-05	WT	G	6-Feb-25	1134		3	X		X						X	X		
5	AW-06															X	X		
6	AW-08															X	X		
7	AW-09															X	X		
8	AW-10															X	X		
9	AW-11															X	X		
10	AW-14															X	X		
11	AW-15															X	X		
12	AW-15S															X	X		
13	AW-16															X	X		
14	AW-17															X	X		
15	AW-18															X	X		
16	AW-19															X	X		

IR Gun # 18 Correction Factor (Deg C) +0.01°C

Observed Temp (Deg C) 6.3 Corrected Temp (Deg C) ~~6.3~~ 6.4 BDS

Delivery Method: FedEx UPS Walk-in USPS Other

field sampler

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	[signature]	6-Feb-25	1206	See below		

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Austin Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/06/25

Balasonnavette 02/06/25 12:06

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 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 #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	EDW-257-301	EDW-845-301	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AW-21																X	X		
2	SG-01																X	X		
3	XPW01A																X	X		
4	XPW02																X	X		
5	XPW03																X	X		
6	Field Blank	WT	G	6-Feb-25	1145		3	X		X										
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				

Temp in °C: 18 Correction Factor (Deg C): +0.1°C
Observed Temp (Deg C): 6.3°C Corrected Temp (Deg C): 6.4°C
Delivery Method: FedEx UPS Walk-in USPS Other

Field Sampler

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EDW-25Q1 Rev 0	[signature]	6-Feb-25	1205	See below		

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

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Austin Moore
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/06/25

Balasonnauth 2/6/25 12:06

DOC Title: ENV-FRM-PEOR-0003 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: _____ INITIALS: BPJ 2/6/25

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1	1	1							
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total	1	1	1							
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	1	1	1							
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
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_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_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 $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AP05S

Purge Method: dedicated bladder

Date: 6-Feb-25 Start Time: 1042 Finish/Sample Time: 1137

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP: 5.56 ft

Water Column Length: _____ ft

Well Water Volume: _____ L

Min. Purge Volume: 1000 mL

Total Purge Volume: 1800 mL

Final Depth to Water: 5.63 ft

Total Drawdown: 0.07 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	1052	5.63	100	9.20	1460	11.07	-7	0.0	35.6
2	1055	5.63	1	9.13	1450	10.89	-25	0.0	29.1
3	1058	5.63	1	9.08	1440	10.70	-43	0.0	33.4
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)

(3)

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AP07S **Purge Method:** Dedicated Bladder

Date: 02/04/2025 Start Time: 1423 Finish/Sample Time: 1529

Well Depth (Bottom) From MP: 34.10 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 24.96 ft Total Purge Volume: 2200 mL

Water Column Length: 9.14 ft Final Depth to Water: 25.12 ft

Well Water Volume: 5.54 L Total Drawdown: 0.16 ft

Reading (Units)	Time ~~1439~~	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	25.12	100	6.92	1690	12.19	-32	1.07	110
2	1443	25.12	100	6.89	1590	12.30	-45	1.04	84.9
3	1447	25.12	100	6.89	1580	12.21	-49	0.99	57.7
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

3

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

Ferrous Iron mg/L

Comments

Sampler's Signature: B Shannon

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-01 **Purge Method:** Dedicated bladder Pump

Date: 01/31/25 Start Time: 9:04 Finish/Sample Time: 10:40

Well Depth (Bottom) From MP: 31.74 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 9.58 ft Total Purge Volume: 1300 mL

Water Column Length: 22.16 ft Final Depth to Water: 22.09 ft

Well Water Volume: 13.42 L Total Drawdown: 12.51 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	9:15	11.23	100	6.69	1400	12.100	-102	3.06	113
2	9:18	11.62	100	6.68	1440	12.59	-106	2.88	118
3	9:21	12.06	100	6.67	1450	12.57	-115	2.67	69
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered Qty	Unfiltered 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)

6

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

Ferrous Iron mg/L

Comments Field dup

Sampler's Signature: Andy Wetherton

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-05 **Purge Method:** dedicated bladder

Date: 6-Feb-25 Start Time: 0926 Finish/Sample Time: 1034

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP: 8.39 ft

Water Column Length: _____ ft

Well Water Volume: _____ L

Min. Purge Volume: 1000 mL

Total Purge Volume: 1800 mL

Final Depth to Water: 8.52 ft

Total Drawdown: 0.13 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	0940	8.52	100	10.78	1510	9.68	106	0.41	1000+
2	0943	8.52	1	10.58	1480	9.60	119	0.23	714
3	0946	8.52	1	10.39	1470	9.49	126	0.16	485
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)

(3)

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-06** **Purge Method:** Dedicated Bladder

Date: 02/03/2025 Start Time: 1312 Finish/Sample Time: 1449

Well Depth (Bottom) From MP: 42.28 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 26.62 ft Total Purge Volume: 2200 mL

Water Column Length: 15.66 ft Final Depth to Water: 37.31 ft

Well Water Volume: 9.48 L Total Drawdown: 10.69 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	1330	28.04	100	7.19	1010	16.51	-139	2.58	28.9
2	1334	28.53	100	7.14	1030	16.45	-149	2.65	61.0
3	1338	29.06	100	7.11	1030	16.38	-151	2.61	81.7
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

3 + 3

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

Ferrous Iron [redacted] **mg/L**

Comments Field duplicate collected here

Sampler's Signature: Bohannan

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-08 **Purge Method:** Peristaltic

Date: 5-Feb-25 Start Time: 1501 Finish/Sample Time: 1611

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

Depth to Water From MP: 25.75 ft Total Purge Volume: 1800 mL

Water Column Length: ____ ft Final Depth to Water: 32.51 ft

Well Water Volume: ____ L Total Drawdown: 6.76 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	1528	27.19	100	9.50	1130	9.59	35	0.0	64.6
2	1531	27.41	1	9.45	1160	9.78	16	0.0	61.6
3	1534	27.65	1	9.37	1180	9.95	12	0.0	60.8
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)

3

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

Ferrous Iron ____ mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-09 **Purpose Method:** AM 4-Feb ~~Compressor~~ dedicated bladder

Date: 4-Feb-25 Start Time: 1001 Finish/Sample Time: 1110

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

Depth to Water From MP: 26.50 ft Total Purge Volume: 2100 mL

Water Column Length: _____ ft Final Depth to Water: 35.43 ft

Well Water Volume: _____ L Total Drawdown: 8.93 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH AM 4-Feb s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1015	28.48	100	~~4.840~~	1280	9.51	-84	0.10	329
2	1018	29.10		8.25	1280	9.67	-93	5.33	95.5
3	1021	29.49		8.05	1290	9.78	-97	5.38	102
4	1024	29.91		7.88	1280	9.95	-101	5.31	98.3
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	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(3)

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

Ferrous Iron _____ **mg/L**

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

Peristaltic

WELL/SAMPLE POINT **AW-10**

Purge Method: ~~Dedicated Bladder~~ 02/04 JB

Date: ~~02/04/2025~~ AM 5-Feb-25

Start Time: ~~1345~~ 5-Feb AM ~~02/04~~ JB 1357 05-Feb AM

Finish/Sample Time: ~~1345~~ 02/04 JB 1450

Well Depth (Bottom) From MP: ____ ft

Min. Purge Volume: 1000 mL

Depth to Water From MP: 2.94 ft

Total Purge Volume: 1800 mL

Water Column Length: ____ ft

Final Depth to Water: 6.09 ft

Well Water Volume: ____ L

Total Drawdown: 3.15 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	1407	3.76	100	10.73	1770	9.80	-63	3.34	73.0
2	1410	4.00	|	10.53	1760	9.73	-83	3.44	72.7
3	1413	4.30	|	10.36	1740	9.54	-86	3.59	75.7
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~~ AM 5-Feb ☐ Slight ☐ Mod. ☑ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☑ Strong

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

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)

3

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

Ferrous Iron ____ mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-11 **Purge Method:** Dedicated Bladder

Date: 02/04/2025 Start Time: 1128 Finish/Sample Time: 1309

Well Depth (Bottom) From MP: 30.42 ft
Depth to Water From MP: 6.74 ft
Water Column Length: 23.68 ft
Well Water Volume: 14.34 L

Min. Purge Volume: 1000 mL
Total Purge Volume: 2200 mL
Final Depth to Water: 6.92 ft
Total Drawdown: 0.18 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	1203	6.82	100	7.00	1870	8.87	-180	0.91	221
2	1207	6.86	100	6.96	1880	8.92	-176	0.94	158
3	1211	6.90	100	6.94	1870	8.94	-171	0.97	101
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

3 + 3

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

Ferrous Iron _____ mg/L

Comments Duplicate collected here

Sampler's Signature: JBohannan

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-14** **Purge Method:** dedicated bladder

Date: 4-Feb-25 Start Time: 1245 Finish/Sample Time: 1338

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

Depth to Water From MP: 7.33 ft Total Purge Volume: 1000 mL

Water Column Length: _____ ft Final Depth to Water: 15.24 ft

Well Water Volume: _____ L Total Drawdown: 7.91 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	1258	9.95	100	7.71	1560	16.08	-78	0.0	76.3
2	1301	10.24		7.66	1550	16.95	-88	0.0	41.8
3	1304	10.64		7.63	1540	16.85	-93	0.0	33.4
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)

(3)

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

Ferrous Iron _____ **mg/L**

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-15 **Purge Method:** dedicated bladder

Date: 4-Feb-25 Start Time: 1405 Finish/Sample Time: 1458

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

Depth to Water From MP: 9.39 ft Total Purge Volume: 1800 mL

Water Column Length: _____ ft Final Depth to Water: 9.52 ft

Well Water Volume: _____ L Total Drawdown: 0.13 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	1418	9.52	100	7.09	1670	11.12	-41	0.0	56.1
2	1421	9.52	1	7.60	1670	11.21	-53	0.0	53.7
3	1424	9.52	1	7.53	1680	11.35	-61	0.0	52.0
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)

3

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT **AW-15S** AM 4-Feb **Purge Method:** dedicated bladder

Date: 4-Feb-25 Start Time: ~~0955~~ 1501 Finish/Sample Time: 1554

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP: 9.55 ft

Water Column Length: _____ ft

Well Water Volume: _____ L

Min. Purge Volume: 1000 mL

Total Purge Volume: 1800 mL

Final Depth to Water: 12.15 ft

Total Drawdown: 2.6 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	1512	10.09	100	8.39	1480	9.76	26	0.0	70.2
2	1515	10.22	1	8.19	1490	9.95	24	0.0	65.3
3	1518	10.39	1	8.05	1480	9.98	20	0.0	60.1
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)

(3)

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-16 **Purge Method:** Dedicated bladder pump

Date: 01/31/25 Start Time: 10:50 Finish/Sample Time: 12:25

Well Depth (Bottom) From MP: 56.80 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 26.12 ft Total Purge Volume: 1300 mL

Water Column Length: 30.68 ft Final Depth to Water: 27.75 ft

Well Water Volume: 18.58 L Total Drawdown: 1.63 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	11:02	26.78	100	6.69	2230	11.38	-133	0.73	23.6
2	11:05	26.78	100	6.68	2240	11.40	-137	0.64	18.4
3	11:08	26.78	100	6.69	2260	11.41	-142	0.55	4.1
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

6

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

Ferrous Iron _____ mg/L

Comments Field dup

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-17 **Purge Method:** dedicated bladder

Date: 4-Feb-25 Start Time: 1129 Finish/Sample Time: 1227

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

Depth to Water From MP: 26.40 ft Total Purge Volume: 2100 mL

Water Column Length: _____ ft Final Depth to Water: 27.50 ft

Well Water Volume: _____ L Total Drawdown: 1.1 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	1147	27.19	100	7.56	1510	10.00	-62	0.00	65.0
2	1150	27.29	|	7.48	1520	10.23	-72	0.00	72.8
3	1153	27.40	|	7.43	1520	10.43	-80	0.00	65.7
4	1156	27.49	|	7.41	1520	10.61	-85	0.00	57.8
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)

3

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-18 **Purge Method:** Dedicated Bladder Pump

Date: 01/31/25 Start Time: 12:30 Finish/Sample Time: 13:37

Well Depth (Bottom) From MP: 50.63 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 27.50 ft Total Purge Volume: 1300 mL

Water Column Length: 23.13 ft Final Depth to Water: 32.11 ft

Well Water Volume: 14.00 L Total Drawdown: 4.61 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	12:41	29.25	100	6.77	1890	12.13	-136	0.65	169
2	12:44	29.63	100	6.76	1920	12.16	-142	0.52	118
3	12:47	30.02	100	6.76	1930	12.17	-144	0.47	102
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered Qty	Unfiltered 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)

3

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-19 **Purge Method:** Dedicated Bladder Pump

Date: 01/31/25 Start Time: 13:40 Finish/Sample Time: ~~13:45~~ 14:45 AJW 01/31/25

Well Depth (Bottom) From MP: 38.54 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 13.96 ft Total Purge Volume: 1300 mL

Water Column Length: 24.58 ft Final Depth to Water: 18.66 ft

Well Water Volume: 14.89 L Total Drawdown: 4.70 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	13:50	15.81	100	6.96	1170	13.90	-83	1.05	70.7
2	13:53	16.27	100	6.96	1180	13.92	-84	0.98	42.7
3	13:56	16.67	100	6.95	1180	13.94	-83	0.91	30.0
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

3

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT AW-21 **Purge Method:** Dedicated Bladder

Date: 02/03/2025 Start Time: 1215 Finish/Sample Time: 1303

Well Depth (Bottom) From MP: 33.49 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 17.42 ft Total Purge Volume: 2200 mL

Water Column Length: 16.07 ft Final Depth to Water: 19.70 ft

Well Water Volume: 9.73 L Total Drawdown: 2.28 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	1234	19.04	100	7.15	1050	15.15	-7	2.50	6.1
2	1238	19.37	100	7.19	1060	15.11	-21	2.43	6.5
3	1242	19.38	100	7.25	1070	15.13	-18	2.41	6.8
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	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

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)

3

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

Ferrous Iron mg/L

Comments

Sampler's Signature: Bohannan

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT XPW01A **Purge Method:** dedicated bladder

Date: 5-Feb-25 Start Time: 1248 Finish/Sample Time: 1321

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

Depth to Water From MP: 11.95 ft Total Purge Volume: 1800 mL

Water Column Length: ft Final Depth to Water: 12.24 ft

Well Water Volume: L Total Drawdown: 0.29 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	1304	12.06	100	12.02	1920	11.98	-66	0.0	63.4
2	1307	12.09	1	12.07	1910	12.06	-66	0.12	62.0
3	1310	12.19	1	12.10	1910	12.19	-66	0.0	59.3
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)
	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(2)

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

Ferrous Iron mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT XPW02 **Purge Method:** dedicated bladder

Date: 5-Feb-25 Start Time: 1145 Finish/Sample Time: 1224

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

Depth to Water From MP: 21.00 ft Total Purge Volume: 2400 mL

Water Column Length: _____ ft Final Depth to Water: 21.05 ft

Well Water Volume: _____ L Total Drawdown: 0.05 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	1157	21.05	100	11.51	4470	10.52	-52	2.24	32.9
2	1200	21.05		11.66	4510	10.83	-58	1.02	36.8
3	1203	21.05		11.77	4560	11.02	-64	0.54	39.0
4	1206	21.05		11.88	4570	11.12	-71	0.38	40.0
5	1209	21.05		11.97	4580	11.10	-77	0.19	37.4
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)
	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(2)

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Site: Edwards Ash Pond

WELL/SAMPLE POINT XPW03 **Purge Method:** dedicated bladder

Date: 5-Feb-25 Start Time: ~~0955~~ 5-Feb-25 1058 Finish/Sample Time: 1131

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

Depth to Water From MP: 18.29 ft Total Purge Volume: 1800 mL

Water Column Length: _____ ft Final Depth to Water: 18.56 ft

Well Water Volume: _____ L Total Drawdown: 0.27 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	1112	18.36	100	10.78	1970	11.48	-46	0.0	49.8
2	1115	18.56	1	10.98	1980	11.44	-64	0.0	45.9
3	1118	18.56	1	11.14	1970	11.30	-79	0.0	38.9
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)
	Rad (P, 2.5L, HNO3)
1	Metals (P, 250mL, HNO3)
1	General (P, 1000mL)
	S2 (P, 500mL, NaOH+ZnAc)

(2)

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

Ferrous Iron _____ mg/L

Comments

Sampler's Signature: [signature]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Multiparameter Meter Field Calibration Checklist

Field Personnel:	AJW	Location:	Edwards
Weather:	Cloudy, 42°-44° 4mph Wind NE	Environment:	Rainy, muddy

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number: 3T85NNNF		
Water Level Meter	Make: Heson	Model: Dipper-T	Serial Number: 3717-T		

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.12	s.u.	±0.1 s.u.	F	Yes	3.99	MSI	023310-01	11/10/2025
pH 7.00a	6.87	s.u.	±0.1 s.u.	F	Yes	7.00	MSI	024145-01	5/29/2026
pH 10.00a	10.15	s.u.	±0.1 s.u.	F	Yes	10.00	MSI	024072-02	3/21/2026
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm	P	No	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	µS/cm	±5%	P	No	NA	Proactive	4GJ1615	Oct-25
ORP	245	mV	±15 mV	P	No	NA	In-Situ	4GJ0045	Jul-25
DO (Zero pt)	0.0	mg/L	±0.1	P	No	NA	Macron	#000228049	8/26/2025
DO (Saturated)	98.5	%	97-100%	P	No	NA	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	P	No	NA	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 8:42

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.92	s.u.	±0.15 s.u.	P	No	Proactive	3GE1074	May-25
pH 7.00b	7.05	s.u.	±0.15 s.u.	P	No	Proactive	3GE1252	May-25
pH 10.00b	9.91	s.u.	±0.15 s.u.	P	No	Proactive	3GE0965	May-25
SC 1000	1040	µS/cm	±5%	P	No	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 15:00

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	No	NA	MSI	023310-01	11/10/2025
pH 7.00a	6.98	s.u.	±0.1 s.u.	P	No	NA	MSI	024145-01	5/29/2026
pH 10.00a	10.04	s.u.	±0.1 s.u.	P	No	NA	MSI	024072-02	3/21/2026
SC 1000	1010	µS/cm	±5%	P	No	NA	Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	P	No	NA	Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	P	No	NA	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature: [signature] Date: 01/31/25

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Jordan Bohannan	Location:	Edwards Power Plant
Weather:	53°F, Sunny, 10mph wind	Environment:	Muddy

Multiparameter Water Meter	Make:	Horiba	Model:	U-5000	Serial Number:	V7320PKK	
Water Level Meter	Make:	Heron	Model:	Dipper-T	Serial Number:	19FF2111192HB	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.13	s.u.	±0.1 s.u.	F	Yes	4.00	MSI	023310-01	11/10/2025
pH 7.00a	6.95	s.u.	±0.1 s.u.	P	No	N/A	MSI	024145-01	5/29/2026
pH 10.00a	10.19	s.u.	±0.1 s.u.	F	Yes	10.00	MSI	024072-02	3/21/2026
SC Zero (DI)	0.00	µS/cm	0<25 µS/cm	P	No	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2011	µS/cm	±5%	P	No	N/A	Proactive	4GJ1615	Oct-25
ORP	236	mV	±15 mV	P	No	N/A	In-Situ	4GJ0045	Jul-25
DO (Zero pt)	0.00	mg/L	±0.1	P	No	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	100%	%	97-100%	P	No	N/A	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	P	No	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 1204

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.92	s.u.	±0.15 s.u.	P	None	Proactive	3GE1074	May-25
pH 7.00b	6.91	s.u.	±0.15 s.u.	P	None	Proactive	3GE1252	May-25
pH 10.00b	10.03	s.u.	±0.15 s.u.	P	None	Geotech	3GA1134	Jan-25
SC 1000	1005	µS/cm	±5%	P	None	Spectrum	2NA0056	Dec-25

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 1505

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	No	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.03	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.07	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1003	µS/cm	±5%				Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	JBohannan	Date:	02/03/2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Jordan Bohannon	Location:	Edwards
Weather:	37°, Cloudy, 12 mph wind	Environment:	Muddy

Multiparameter Water Meter	Make:	Horiba	Model:	U-5000	Serial Number: V7320PKK
Water Level Meter	Make:	Heron	Model:	Dipper T	Serial Number: 19FF 211192HB

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	No	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.03	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.08	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC Zero (DI)	0.00	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2077	µS/cm	±5%				Proactive	4GJ1615	Oct-25
ORP	237	mV	±15 mV				In-Situ	4GJ0045	Jul-25
DO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	100%	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: 1135

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.08	s.u.	±0.15 s.u.	P	None	Proactive	3GE1074	May-25
pH 7.00b	7.05	s.u.	±0.15 s.u.			Proactive	3GE1252	May-25
pH 10.00b	10.01	s.u.	±0.15 s.u.			Geotech	3GA1134	Jan-25
SC 1000	1007	µS/cm	±5%			Spectrum	2NA0056	Dec-25

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: 1500

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	P	No	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.06	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1007	µS/cm	±5%				Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature: JBohannon

Date: 02/04/25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Edwards Power Station
Weather:	37°-26° Cloudy wind 12mph NNE	Environment:	Muddy, Power Plant

Multiparameter Water Meter	Make:	Hach	Model:	U-5000	Serial Number:	16T1474	
Water Level Meter	Make:	WT	Model:	Heron	Serial Number:	19FF220213ML	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.94	s.u.	±0.1 s.u.	P	N	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.05	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC Zero (DI)	23	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	238	mV	±15 mV				In-Situ	4GJ0045	Jul-25
DO (Zero pt)	0.0	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.2	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0926

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.99	s.u.	±0.15 s.u.	P	N/A	Proactive	3GE1074	May-25
pH 7.00b	7.01	s.u.	±0.15 s.u.			Proactive	3GE1252	May-25
pH 10.00b	10.01	s.u.	±0.15 s.u.			Proactive	3GE0965	May-25
SC 1000	1010	µS/cm	±5%			Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1525

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.	P	N	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.04	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	1010	µS/cm	±5%				Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	Austin M	Date:	4-Feb-25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Edwards
Weather:	36°-25° mostly cloudy wind 10mph ESE	Environment:	Muddy industrial

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number: AGJTK4X6
Water Level Meter	Make: WT	Model: Heron	Serial Number: 19FF220213ML

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.06	s.u.	±0.1 s.u.	P	N	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.05	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.08	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	µS/cm	±5%				Proactive	4GJ1615	Oct-25
ORP	238	mV	±15 mV				In-Situ	4GJ0045	Jul-25
DO (Zero pt)	0.0	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.7	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0914

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.03	s.u.	±0.15 s.u.	P	N/A	Proactive	3GE1074	May-25
pH 7.00b	7.04	s.u.	±0.15 s.u.			Proactive	3GE1252	May-25
pH 10.00b	10.01	s.u.	±0.15 s.u.			Proactive	3GE0965	May-25
SC 1000	1020	µS/cm	±5%			Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1641

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	N	N/A	MSI	023310-01	11/10/2025
pH 7.00a	6.98	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.01	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1010	µS/cm	±5%				Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	Austin M	Date:	5-Feb-25

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Edwards power station
Weather:	42°-29° cloudy wind 10mph WNW	Environment:	Muddy, industrial

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	AGJTK4XG	
Water Level Meter	Make: WT	Model: Heron	Serial Number:	19FF2202131ML	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.86	s.u.	±0.1 s.u.	F	Y	3.97	MSI	023310-01	11/10/2025
pH 7.00a	7.04	s.u.	±0.1 s.u.	P	N	N/A	MSI	024145-01	5/29/2026
pH 10.00a	10.07	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1660	µS/cm	±5%	F	Y	1980	Proactive	4GJ1615	Oct-25
ORP	234	mV	±15 mV	P	N	N/A	In-Situ	4GJ0045	Jul-25
DO (Zero pt)		mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	97.6	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0838

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	P	N/A	Proactive	3GE1074	May-25
pH 7.00b	7.02	s.u.	±0.15 s.u.			Proactive	3GE1252	May-25
pH 10.00b	10.06	s.u.	±0.15 s.u.			Proactive	3GE0965	May-25
SC 1000	791	µS/cm	±5%	F	Y 1000	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1600

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	P	N	N/A	MSI	023310-01	11/10/2025
pH 7.00a	7.03	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.06	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1010	µS/cm	±5%				Spectrum	2NA0024	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	6-Feb-25	Date:	Austin M

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
EDWARDS POWER PLANT, ASH POND
EDW-845-301

...alysis Request

...d: 12/22/2024

...odic 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)	Serial Number	Does Data Logger Serial No Match?	WL Reading on Transducer (ft)	Data downloaded?	Batt (H/M/L/R)	Comments	Initials
AP05S	EDW_AP05#S	30-Jan-25	1409	5.50	21629301	X	437.3490	Y	H		AJM
AP07S	EDW_AP07#S	30-Jan-25	~~[illegible]~~	24.96	21615552	Y	435.8832	Y	H	Time colected 1235	
AW-01	EDW_AW-01	30-Jan-25	1330	9.71	21615144	Y	454.8077	Y	H		
AW-05	EDW_AW-05	30-Jan-25	1358	8.67	21615132	Y	434.7728	Y	H		
AW-06	EDW_AW-06	30-Jan-25	1157	26.75	21615127	Y	434.9410	Y	H		
AW-08	EDW_AW-08	30-Jan-25	1332	29.71	21615722	Y	436.8700	Y	H		
AW-09	EDW_AW-09	30-Jan-25	1152	26.40	21615130	Y	434.8315	Y	H		
AW-10	EDW_AW-10	30-Jan-25	0939	2.89	21615754	Y	437.2298	Y	H		
AW-11	EDW_AW-11	30-Jan-25	0927	6.33	21615129	Y	433.6814	Y	H		
AW-14	EDW_AW-14	30-Jan-25	0920	7.34	21926662	Y	432.1004	Y	M		
AW-15	EDW_AW-15	30-Jan-25	0907	9.24	21615761	Y	432.2855	Y	H		
AW-15S	EDW_AW-15#S	30-Jan-25	0911	9.65	21629298	Y	431.0859	Y	H		
AW-16	EDW_AW-16	30-Jan-25	1131	26.24	21615714	Y	435.7507	Y	H		
AW-17	EDW_AW-17	30-Jan-25	1127	25.92	*(removed)*	N/A	N/A	N/A	N/A	Removed, to be reinstalled Q2	
AW-18	EDW_AW-18	30-Jan-25	1014	27.61	21615763	Y	435.2215	Y	H		
AW-19	EDW_AW-19	30-Jan-25	1307	14.05	21615718	Y	446.8268	Y	H		
AW-21	EDW_AW-21	30-Jan-25	1251	17.69	21615514	Y	443.0282	Y	H		
EMW-05	EDW_EMW-05	30-Jan-25	1246	21.35	21615739	Y	430.7948	Y	H		
RG-01	EDW_RG-01				21628687						
SG-01	EDW_yILRIVER	30-Jan-25	1353	4.31	*(removed)*	N/A	N/A	N/A	N/A	Removed, to be reinstalled Q2	AJM
XPW01A	EDW_XPW01A_pore	30-Jan-25	1117	12.34	21615740	Y	451.9326	Y	H		
XPW02	EDW_XPW02_pore	30-Jan-25	0958	21.24	21615752	Y	452.6353	Y	H		
XPW03	EDW_XPW03_pore	30-Jan-25	1320	18.68	21629300	Y	447.4897	Y	H		

SAR-3: Plant Sampling and Analysis Request

Event: EDW-25Q1

Date Generated: 12/22/2024

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	30-Jan-25	1414	5.15		AJM
AP07D	EDW_AP07&D		1238	23.36		
AP08	EDW_AP08		1009	8.65		
AP09	EDW_AP09		1324	11.01		
APW-01	EDW_APW-01		1428	5.95		
AW-12	EDW_AW-12		0945	8.19		
AW-13	EDW_AW-13		0933	8.25		
AW-15C	EDW_AW-15!C		0914	7.70		
AW-20	EDW_AW-20		1258	16.61		
AW-22	EDW_AW-22		1204	12.12		
AW-23	EDW_AW-23		1045	4.20		
OW-01	EDW_OW-01		1240	23.99		

ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 1, 2025

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 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	E008	Antimony, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.003	0.003
AP07S	PMP	E008	Arsenic, total	mg/L	02/10/21 - 02/04/25	17	88	CI around median	0.001	0.0300
AP07S	PMP	E008	Barium, total	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	0.0657	2.07
AP07S	PMP	E008	Beryllium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.00190
AP07S	PMP	E008	Boron, total	mg/L	02/10/21 - 02/04/25	17	0	CB around linear reg	9.07	0.535
AP07S	PMP	E008	Cadmium, total	mg/L	02/10/21 - 02/04/25	17	88	CI around median	0.001	0.00100
AP07S	PMP	E008	Chloride, total	mg/L	02/10/21 - 02/04/25	17	0	CI around median	73	56.0
AP07S	PMP	E008	Chromium, total	mg/L	02/10/21 - 02/04/25	17	76	CI around median	0.004	0.0480
AP07S	PMP	E008	Cobalt, total	mg/L	02/10/21 - 02/04/25	17	12	CI around mean	0.00208	0.0280
AP07S	PMP	E008	Fluoride, total	mg/L	02/10/21 - 02/04/25	17	65	CI around median	0.25	0.396
AP07S	PMP	E008	Lead, total	mg/L	02/10/21 - 02/04/25	17	71	CI around median	0.001	0.0330
AP07S	PMP	E008	Lithium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.02	0.0710
AP07S	PMP	E008	Mercury, total	mg/L	02/10/21 - 02/04/25	17	94	CI around median	0.0002	0.0002
AP07S	PMP	E008	Molybdenum, total	mg/L	02/10/21 - 02/04/25	17	53	CI around median	0.001	0.00620
AP07S	PMP	E008	pH (field)	SU	02/10/21 - 02/04/25	17	0	CI around mean	6.7/7.0	6.3/7.1
AP07S	PMP	E008	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 02/04/25	17	0	CI around mean	0.638	9.60
AP07S	PMP	E008	Selenium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.00320
AP07S	PMP	E008	Sulfate, total	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	234	6.48
AP07S	PMP	E008	Thallium, total	mg/L	02/10/21 - 02/04/25	17	100	All ND - Last	0.001	0.001
AP07S	PMP	E008	Total Dissolved Solids	mg/L	02/10/21 - 02/04/25	17	0	CI around mean	844	1,050
AW-01	PMP	E008	Antimony, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.003	0.003
AW-01	PMP	E008	Arsenic, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.00361	0.0300
AW-01	PMP	E008	Barium, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.1	2.07
AW-01	PMP	E008	Beryllium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.00190
AW-01	PMP	E008	Boron, total	mg/L	11/18/22 - 01/31/25	12	0	CI around median	0.072	0.535
AW-01	PMP	E008	Cadmium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.00100
AW-01	PMP	E008	Chloride, total	mg/L	11/18/22 - 01/31/25	12	0	CB around T-S line	-45.1	56.0

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AW-01	PMP	E008	Chromium, total	mg/L	11/18/22 - 01/31/25	12	83	CI around median	0.004	0.0480
AW-01	PMP	E008	Cobalt, total	mg/L	11/18/22 - 01/31/25	12	17	CI around mean	0.00273	0.0280
AW-01	PMP	E008	Fluoride, total	mg/L	11/18/22 - 01/31/25	12	58	CI around median	0.25	0.396
AW-01	PMP	E008	Lead, total	mg/L	11/18/22 - 01/31/25	12	75	CI around median	0.001	0.0330
AW-01	PMP	E008	Lithium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.02	0.0710
AW-01	PMP	E008	Mercury, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.0002	0.0002
AW-01	PMP	E008	Molybdenum, total	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	0.00281	0.00620
AW-01	PMP	E008	pH (field)	SU	11/18/22 - 01/31/25	12	0	CI around mean	6.7/7.0	6.3/7.1
AW-01	PMP	E008	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 01/31/25	12	0	CI around median	0.288	9.60
AW-01	PMP	E008	Selenium, total	mg/L	11/18/22 - 01/31/25	12	92	CI around median	0.001	0.00320
AW-01	PMP	E008	Sulfate, total	mg/L	11/18/22 - 01/31/25	12	0	CI around median	41	6.48
AW-01	PMP	E008	Thallium, total	mg/L	11/18/22 - 01/31/25	12	100	All ND - Last	0.001	0.001
AW-01	PMP	E008	Total Dissolved Solids	mg/L	11/18/22 - 01/31/25	12	0	CI around mean	741	1,050
AW-05	UA	E008	Antimony, total	mg/L	11/09/15 - 02/06/25	21	95	Most recent sample	0.003	0.003
AW-05	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/06/25	21	0	CB around T-S line	-0.00638	0.0300
AW-05	UA	E008	Barium, total	mg/L	11/09/15 - 02/06/25	21	0	CB around linear reg	-0.024	2.07
AW-05	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/06/25	20	90	CI around median	0.001	0.00190
AW-05	UA	E008	Boron, total	mg/L	11/09/15 - 02/06/25	22	0	CB around linear reg	5.15	0.535
AW-05	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/06/25	21	90	CI around median	0.001	0.00100
AW-05	UA	E008	Chloride, total	mg/L	11/09/15 - 02/06/25	22	0	CB around T-S line	-76.4	56.0
AW-05	UA	E008	Chromium, total	mg/L	11/09/15 - 02/06/25	21	43	CI around median	0.004	0.0480
AW-05	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/06/25	21	29	CI around geomean	0.00311	0.0280
AW-05	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/06/25	22	59	CI around median	0.25	0.396
AW-05	UA	E008	Lead, total	mg/L	11/09/15 - 02/06/25	20	40	CI around median	0.001	0.0330
AW-05	UA	E008	Lithium, total	mg/L	11/09/15 - 02/06/25	21	43	CB around T-S line	-0.00016	0.0710
AW-05	UA	E008	Mercury, total	mg/L	11/09/15 - 02/06/25	21	95	CI around median	0.0002	0.0002
AW-05	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/06/25	21	0	CI around mean	0.00202	0.00620

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AW-05	UA	E008	pH (field)	SU	11/09/15 - 02/06/25	22	0	CI around median	6.9/7.2	6.3/7.1
AW-05	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/06/25	21	0	CI around geomean	0.553	9.60
AW-05	UA	E008	Selenium, total	mg/L	11/09/15 - 02/06/25	21	62	CB around T-S line	0.000794	0.00320
AW-05	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/06/25	22	0	CB around T-S line	293	6.48
AW-05	UA	E008	Thallium, total	mg/L	11/09/15 - 02/06/25	20	100	All ND - Last	0.001	0.001
AW-05	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/06/25	22	0	CI around geomean	1,050	1,050
AW-06	UA	E008	Antimony, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.003	0.003
AW-06	UA	E008	Arsenic, total	mg/L	11/10/15 - 02/03/25	27	0	CI around geomean	0.00324	0.0300
AW-06	UA	E008	Barium, total	mg/L	11/10/15 - 02/03/25	27	0	CI around median	0.18	2.07
AW-06	UA	E008	Beryllium, total	mg/L	11/10/15 - 02/03/25	27	89	CI around median	0.001	0.00190
AW-06	UA	E008	Boron, total	mg/L	11/10/15 - 02/03/25	28	0	CB around T-S line	0.0336	0.535
AW-06	UA	E008	Cadmium, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.001	0.00100
AW-06	UA	E008	Chloride, total	mg/L	11/10/15 - 02/03/25	28	0	CI around median	34	56.0
AW-06	UA	E008	Chromium, total	mg/L	11/10/15 - 02/03/25	27	59	CB around T-S line	-0.00383	0.0480
AW-06	UA	E008	Cobalt, total	mg/L	11/10/15 - 02/03/25	27	63	CB around T-S line	-0.00106	0.0280
AW-06	UA	E008	Fluoride, total	mg/L	11/10/15 - 02/03/25	28	7	CB around T-S line	0.223	0.396
AW-06	UA	E008	Lead, total	mg/L	11/10/15 - 02/03/25	27	44	CB around T-S line	-0.00312	0.0330
AW-06	UA	E008	Lithium, total	mg/L	11/10/15 - 02/03/25	27	56	CI around median	0.02	0.0710
AW-06	UA	E008	Mercury, total	mg/L	11/10/15 - 02/03/25	22	96	CI around median	0.0002	0.0002
AW-06	UA	E008	Molybdenum, total	mg/L	11/10/15 - 02/03/25	27	0	CI around mean	0.005	0.00620
AW-06	UA	E008	pH (field)	SU	11/10/15 - 02/03/25	28	0	CI around median	7.1/7.3	6.3/7.1
AW-06	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/03/25	27	0	CI around mean	0.692	9.60
AW-06	UA	E008	Selenium, total	mg/L	11/10/15 - 02/03/25	27	78	CI around median	0.001	0.00320
AW-06	UA	E008	Sulfate, total	mg/L	11/10/15 - 02/03/25	28	0	CB around linear reg	17.4	6.48
AW-06	UA	E008	Thallium, total	mg/L	11/10/15 - 02/03/25	22	100	All ND - Last	0.001	0.001
AW-06	UA	E008	Total Dissolved Solids	mg/L	11/10/15 - 02/03/25	28	0	CI around mean	520	1,050
AW-09	UA	E008	Antimony, total	mg/L	11/10/15 - 02/04/25	22	100	All ND - Last	0.003	0.003

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AW-09	UA	E008	Arsenic, total	mg/L	11/10/15 - 02/04/25	27	11	CI around mean	0.013	0.0300
AW-09	UA	E008	Barium, total	mg/L	11/10/15 - 02/04/25	27	0	CI around geomean	0.307	2.07
AW-09	UA	E008	Beryllium, total	mg/L	11/10/15 - 02/04/25	27	85	CB around T-S line	0.000465	0.00190
AW-09	UA	E008	Boron, total	mg/L	11/10/15 - 02/04/25	28	0	CB around linear reg	-0.0452	0.535
AW-09	UA	E008	Cadmium, total	mg/L	11/10/15 - 02/04/25	22	91	CI around median	0.001	0.00100
AW-09	UA	E008	Chloride, total	mg/L	11/10/15 - 02/04/25	28	0	CB around T-S line	23.9	56.0
AW-09	UA	E008	Chromium, total	mg/L	11/10/15 - 02/04/25	27	63	CB around T-S line	-0.0347	0.0480
AW-09	UA	E008	Cobalt, total	mg/L	11/10/15 - 02/04/25	27	7	CB around T-S line	-0.0201	0.0280
AW-09	UA	E008	Fluoride, total	mg/L	11/10/15 - 02/04/25	28	68	CB around T-S line	0.192	0.396
AW-09	UA	E008	Lead, total	mg/L	11/10/15 - 02/04/25	27	52	CB around T-S line	-0.0222	0.0330
AW-09	UA	E008	Lithium, total	mg/L	11/10/15 - 02/04/25	27	41	CB around T-S line	-0.03	0.0710
AW-09	UA	E008	Mercury, total	mg/L	11/10/15 - 02/04/25	22	96	CI around median	0.0002	0.0002
AW-09	UA	E008	Molybdenum, total	mg/L	11/10/15 - 02/04/25	27	0	CI around mean	0.0145	0.00620
AW-09	UA	E008	pH (field)	SU	11/10/15 - 02/04/25	28	0	CI around median	6.9/7.0	6.3/7.1
AW-09	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/04/25	27	0	CI around median	0.791	9.60
AW-09	UA	E008	Selenium, total	mg/L	11/10/15 - 02/04/25	27	70	CB around T-S line	-0.000916	0.00320
AW-09	UA	E008	Sulfate, total	mg/L	11/10/15 - 02/04/25	28	61	CB around T-S line	-21.3	6.48
AW-09	UA	E008	Thallium, total	mg/L	11/10/15 - 02/04/25	22	96	CI around median	0.001	0.001
AW-09	UA	E008	Total Dissolved Solids	mg/L	11/10/15 - 02/04/25	28	0	CB around T-S line	772	1,050
AW-10	UA	E008	Antimony, total	mg/L	11/09/15 - 02/05/25	23	100	All ND - Last	0.003	0.003
AW-10	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/05/25	28	0	CI around median	0.0097	0.0300
AW-10	UA	E008	Barium, total	mg/L	11/09/15 - 02/05/25	28	0	CI around median	0.9	2.07
AW-10	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/05/25	28	79	CI around median	0.001	0.00190
AW-10	UA	E008	Boron, total	mg/L	11/09/15 - 02/05/25	29	0	CI around mean	0.462	0.535
AW-10	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.001	0.00100
AW-10	UA	E008	Chloride, total	mg/L	11/09/15 - 02/05/25	29	0	CI around mean	86.8	56.0
AW-10	UA	E008	Chromium, total	mg/L	11/09/15 - 02/05/25	28	32	CI around median	0.004	0.0480

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AW-10	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/05/25	28	4	CI around geomean	0.00415	0.0280
AW-10	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/05/25	29	97	CI around median	0.25	0.396
AW-10	UA	E008	Lead, total	mg/L	11/09/15 - 02/05/25	28	11	CI around geomean	0.00232	0.0330
AW-10	UA	E008	Lithium, total	mg/L	11/09/15 - 02/05/25	28	0	CB around T-S line	-0.00665	0.0710
AW-10	UA	E008	Mercury, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.0002	0.0002
AW-10	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/05/25	28	21	CI around median	0.0012	0.00620
AW-10	UA	E008	pH (field)	SU	11/09/15 - 02/05/25	30	0	CI around median	7.0/7.1	6.3/7.1
AW-10	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/05/25	28	0	CI around geomean	2.14	9.60
AW-10	UA	E008	Selenium, total	mg/L	11/09/15 - 02/05/25	28	68	CB around T-S line	-0.00003	0.00320
AW-10	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/05/25	29	83	CB around T-S line	1	6.48
AW-10	UA	E008	Thallium, total	mg/L	11/09/15 - 02/05/25	23	96	CI around median	0.001	0.001
AW-10	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/05/25	29	0	CI around median	1,100	1,050
AW-11	UA	E008	Antimony, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.003	0.003
AW-11	UA	E008	Arsenic, total	mg/L	11/09/15 - 02/04/25	27	0	CI around geomean	0.00902	0.0300
AW-11	UA	E008	Barium, total	mg/L	11/09/15 - 02/04/25	27	0	CI around median	0.84	2.07
AW-11	UA	E008	Beryllium, total	mg/L	11/09/15 - 02/04/25	27	82	CI around median	0.001	0.00190
AW-11	UA	E008	Boron, total	mg/L	11/09/15 - 02/04/25	28	0	CI around mean	0.226	0.535
AW-11	UA	E008	Cadmium, total	mg/L	11/09/15 - 02/04/25	22	86	CI around median	0.001	0.00100
AW-11	UA	E008	Chloride, total	mg/L	11/09/15 - 02/04/25	28	0	CI around mean	31.7	56.0
AW-11	UA	E008	Chromium, total	mg/L	11/09/15 - 02/04/25	27	59	CB around T-S line	-0.0182	0.0480
AW-11	UA	E008	Cobalt, total	mg/L	11/09/15 - 02/04/25	27	37	CB around T-S line	-0.00677	0.0280
AW-11	UA	E008	Fluoride, total	mg/L	11/09/15 - 02/04/25	28	89	CI around median	0.25	0.396
AW-11	UA	E008	Lead, total	mg/L	11/09/15 - 02/04/25	27	44	CB around T-S line	-0.00865	0.0330
AW-11	UA	E008	Lithium, total	mg/L	11/09/15 - 02/04/25	27	18	CB around T-S line	-0.0108	0.0710
AW-11	UA	E008	Mercury, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.0002	0.0002
AW-11	UA	E008	Molybdenum, total	mg/L	11/09/15 - 02/04/25	27	15	CB around linear reg	-0.00144	0.00620
AW-11	UA	E008	pH (field)	SU	11/09/15 - 02/04/25	28	0	CI around median	6.9/7.2	6.3/7.1

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AW-11	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/04/25	27	0	CI around geomean	1.62	9.60
AW-11	UA	E008	Selenium, total	mg/L	11/09/15 - 02/04/25	27	74	CB around T-S line	0.000269	0.00320
AW-11	UA	E008	Sulfate, total	mg/L	11/09/15 - 02/04/25	28	71	CB around T-S line	0.22	6.48
AW-11	UA	E008	Thallium, total	mg/L	11/09/15 - 02/04/25	22	100	All ND - Last	0.001	0.001
AW-11	UA	E008	Total Dissolved Solids	mg/L	11/09/15 - 02/04/25	28	0	CB around T-S line	942	1,050
AW-14	UA	E008	Antimony, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.003	0.003
AW-14	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/04/25	16	0	CB around T-S line	-0.00183	0.0300
AW-14	UA	E008	Barium, total	mg/L	02/11/21 - 02/04/25	16	0	CI around mean	0.62	2.07
AW-14	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.00190
AW-14	UA	E008	Boron, total	mg/L	02/11/21 - 02/04/25	16	0	CI around median	0.18	0.535
AW-14	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.00100
AW-14	UA	E008	Chloride, total	mg/L	02/11/21 - 02/04/25	16	0	CI around median	24	56.0
AW-14	UA	E008	Chromium, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.004	0.0480
AW-14	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/04/25	16	38	CB around T-S line	-0.00866	0.0280
AW-14	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/04/25	16	75	CI around median	0.25	0.396
AW-14	UA	E008	Lead, total	mg/L	02/11/21 - 02/04/25	16	75	CI around median	0.001	0.0330
AW-14	UA	E008	Lithium, total	mg/L	02/11/21 - 02/04/25	16	69	CB around T-S line	0.0129	0.0710
AW-14	UA	E008	Mercury, total	mg/L	02/11/21 - 02/04/25	16	94	CI around median	0.0002	0.0002
AW-14	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/04/25	16	38	CI around median	0.001	0.00620
AW-14	UA	E008	pH (field)	SU	02/11/21 - 02/04/25	16	0	CI around median	6.8/7.0	6.3/7.1
AW-14	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/04/25	16	0	CI around mean	2.1	9.60
AW-14	UA	E008	Selenium, total	mg/L	02/11/21 - 02/04/25	16	88	CI around median	0.001	0.00320
AW-14	UA	E008	Sulfate, total	mg/L	02/11/21 - 02/04/25	16	12	CI around geomean	1.8	6.48
AW-14	UA	E008	Thallium, total	mg/L	02/11/21 - 02/04/25	16	100	All ND - Last	0.001	0.001
AW-14	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/04/25	16	0	CI around median	960	1,050
AW-15	UA	E008	Antimony, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.003	0.003
AW-15	UA	E008	Arsenic, total	mg/L	02/12/21 - 02/04/25	14	7	CI around mean	0.00149	0.0300

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-15	UA	E008	Barium, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	1.66	2.07
AW-15	UA	E008	Beryllium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.00190
AW-15	UA	E008	Boron, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	0.35	0.535
AW-15	UA	E008	Cadmium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.00100
AW-15	UA	E008	Chloride, total	mg/L	02/12/21 - 02/04/25	14	0	CI around geomean	33.7	56.0
AW-15	UA	E008	Chromium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.004	0.0480
AW-15	UA	E008	Cobalt, total	mg/L	02/12/21 - 02/04/25	14	93	CI around median	0.002	0.0280
AW-15	UA	E008	Fluoride, total	mg/L	02/12/21 - 02/04/25	14	86	CI around median	0.25	0.396
AW-15	UA	E008	Lead, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.0330
AW-15	UA	E008	Lithium, total	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	0.0291	0.0710
AW-15	UA	E008	Mercury, total	mg/L	02/12/21 - 02/04/25	14	93	CI around median	0.0002	0.0002
AW-15	UA	E008	Molybdenum, total	mg/L	02/12/21 - 02/04/25	14	86	CI around median	0.001	0.00620
AW-15	UA	E008	pH (field)	SU	02/12/21 - 02/04/25	13	0	CI around median	6.7/7.0	6.3/7.1
AW-15	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/04/25	14	0	CI around mean	3.83	9.60
AW-15	UA	E008	Selenium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.00320
AW-15	UA	E008	Sulfate, total	mg/L	02/12/21 - 02/04/25	14	93	Most recent sample	1	6.48
AW-15	UA	E008	Thallium, total	mg/L	02/12/21 - 02/04/25	14	100	All ND - Last	0.001	0.001
AW-15	UA	E008	Total Dissolved Solids	mg/L	02/12/21 - 02/04/25	14	0	CI around mean	945	1,050
AW-15S	PMP	E008	Antimony, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.003	0.003
AW-15S	PMP	E008	Arsenic, total	mg/L	02/12/21 - 02/04/25	17	71	CI around median	0.001	0.0300
AW-15S	PMP	E008	Barium, total	mg/L	02/12/21 - 02/04/25	17	0	CB around T-S line	-0.0494	2.07
AW-15S	PMP	E008	Beryllium, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.001	0.00190
AW-15S	PMP	E008	Boron, total	mg/L	02/12/21 - 02/04/25	17	0	CI around mean	5.63	0.535
AW-15S	PMP	E008	Cadmium, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.001	0.00100
AW-15S	PMP	E008	Chloride, total	mg/L	02/12/21 - 02/04/25	17	0	CB around linear reg	21.8	56.0
AW-15S	PMP	E008	Chromium, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.004	0.0480
AW-15S	PMP	E008	Cobalt, total	mg/L	02/12/21 - 02/04/25	17	94	CI around median	0.002	0.0280

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AW-15S	PMP	E008	Fluoride, total	mg/L	02/12/21 - 02/04/25	17	35	CI around median	0.25	0.396
AW-15S	PMP	E008	Lead, total	mg/L	02/12/21 - 02/04/25	17	88	CI around median	0.001	0.0330
AW-15S	PMP	E008	Lithium, total	mg/L	02/12/21 - 02/04/25	17	88	CI around median	0.02	0.0710
AW-15S	PMP	E008	Mercury, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.0002	0.0002
AW-15S	PMP	E008	Molybdenum, total	mg/L	02/12/21 - 02/04/25	17	0	CB around linear reg	0.00208	0.00620
AW-15S	PMP	E008	pH (field)	SU	02/12/21 - 02/04/25	17	0	CI around median	6.7/7.0	6.3/7.1
AW-15S	PMP	E008	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/04/25	16	0	CI around mean	0.499	9.60
AW-15S	PMP	E008	Selenium, total	mg/L	02/12/21 - 02/04/25	17	47	CI around median	0.001	0.00320
AW-15S	PMP	E008	Sulfate, total	mg/L	02/12/21 - 02/04/25	17	0	CI around mean	522	6.48
AW-15S	PMP	E008	Thallium, total	mg/L	02/12/21 - 02/04/25	17	100	All ND - Last	0.001	0.001
AW-15S	PMP	E008	Total Dissolved Solids	mg/L	02/12/21 - 02/04/25	17	0	CI around median	1,200	1,050
AW-16	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.003
AW-16	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	18	CI around mean	0.00103	0.0300
AW-16	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	0.961	2.07
AW-16	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00190
AW-16	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	0.382	0.535
AW-16	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00100
AW-16	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	42.2	56.0
AW-16	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.004	0.0480
AW-16	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.002	0.0280
AW-16	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.25	0.396
AW-16	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.0330
AW-16	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around T-S line	0.0173	0.0710
AW-16	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.0002	0.0002
AW-16	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.001	0.00620
AW-16	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.6/6.8	6.3/7.1
AW-16	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CB around linear reg	1.77	9.60

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AW-16	UA	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00320
AW-16	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	88	CI around median	1	6.48
AW-16	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.001
AW-16	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around geomean	1,090	1,050
AW-17	UA	E008	Antimony, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.003	0.003
AW-17	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	0.00239	0.0300
AW-17	UA	E008	Barium, total	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	1.02	2.07
AW-17	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.00190
AW-17	UA	E008	Boron, total	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	0.412	0.535
AW-17	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.00100
AW-17	UA	E008	Chloride, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	46.4	56.0
AW-17	UA	E008	Chromium, total	mg/L	02/11/21 - 02/04/25	17	76	CI around median	0.004	0.0480
AW-17	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/04/25	17	18	CB around linear reg	0.000311	0.0280
AW-17	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/04/25	17	94	CI around median	0.25	0.396
AW-17	UA	E008	Lead, total	mg/L	02/11/21 - 02/04/25	17	76	CI around median	0.001	0.0330
AW-17	UA	E008	Lithium, total	mg/L	02/11/21 - 02/04/25	17	0	CB around linear reg	0.00886	0.0710
AW-17	UA	E008	Mercury, total	mg/L	02/11/21 - 02/04/25	17	94	CI around median	0.0002	0.0002
AW-17	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/04/25	17	59	CB around T-S line	-0.00102	0.00620
AW-17	UA	E008	pH (field)	SU	02/11/21 - 02/04/25	17	0	CI around mean	6.7/7.0	6.3/7.1
AW-17	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/04/25	17	0	CI around mean	2.53	9.60
AW-17	UA	E008	Selenium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.00320
AW-17	UA	E008	Sulfate, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	1	6.48
AW-17	UA	E008	Thallium, total	mg/L	02/11/21 - 02/04/25	17	100	All ND - Last	0.001	0.001
AW-17	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/04/25	17	0	CI around mean	858	1,050
AW-18	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.003
AW-18	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	0	CB around T-S line	-0.00218	0.0300
AW-18	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	1.18	2.07

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AW-18	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00190
AW-18	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	0.687	0.535
AW-18	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00100
AW-18	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	77.2	56.0
AW-18	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	88	CI around median	0.004	0.0480
AW-18	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	82	CI around median	0.002	0.0280
AW-18	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	65	CB around T-S line	-3.48	0.396
AW-18	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	82	CI around median	0.001	0.0330
AW-18	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	6	CB around linear reg	-0.0211	0.0710
AW-18	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.0002	0.0002
AW-18	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	-0.00913	0.00620
AW-18	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.7/6.9	6.3/7.1
AW-18	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CI around mean	2.56	9.60
AW-18	UA	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	94	CI around median	0.001	0.00320
AW-18	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	0	CI around geomean	4.51	6.48
AW-18	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.001
AW-18	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	816	1,050
AW-19	UA	E008	Antimony, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.003	0.003
AW-19	UA	E008	Arsenic, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	0.0114	0.0300
AW-19	UA	E008	Barium, total	mg/L	02/11/21 - 01/31/25	17	0	CI around median	0.18	2.07
AW-19	UA	E008	Beryllium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00190
AW-19	UA	E008	Boron, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	2.85	0.535
AW-19	UA	E008	Cadmium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00100
AW-19	UA	E008	Chloride, total	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	76	56.0
AW-19	UA	E008	Chromium, total	mg/L	02/11/21 - 01/31/25	17	76	CI around median	0.004	0.0480
AW-19	UA	E008	Cobalt, total	mg/L	02/11/21 - 01/31/25	17	76	CI around median	0.002	0.0280
AW-19	UA	E008	Fluoride, total	mg/L	02/11/21 - 01/31/25	17	29	CB around linear reg	0.183	0.396

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AW-19	UA	E008	Lead, total	mg/L	02/11/21 - 01/31/25	17	59	CI around median	0.001	0.0330
AW-19	UA	E008	Lithium, total	mg/L	02/11/21 - 01/31/25	17	76	CB around T-S line	0.00965	0.0710
AW-19	UA	E008	Mercury, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.0002	0.0002
AW-19	UA	E008	Molybdenum, total	mg/L	02/11/21 - 01/31/25	17	0	CI around median	0.0036	0.00620
AW-19	UA	E008	pH (field)	SU	02/11/21 - 01/31/25	17	0	CI around mean	6.8/7.1	6.3/7.1
AW-19	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 01/31/25	17	0	CI around mean	0.572	9.60
AW-19	UA	E008	Selenium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.00320
AW-19	UA	E008	Sulfate, total	mg/L	02/11/21 - 01/31/25	17	0	CB around linear reg	54.2	6.48
AW-19	UA	E008	Thallium, total	mg/L	02/11/21 - 01/31/25	17	100	All ND - Last	0.001	0.001
AW-19	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 01/31/25	17	0	CI around mean	578	1,050
AW-21	UA	E008	Antimony, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.003	0.003
AW-21	UA	E008	Arsenic, total	mg/L	02/11/21 - 02/03/25	17	18	CI around geomean	0.00113	0.0300
AW-21	UA	E008	Barium, total	mg/L	02/11/21 - 02/03/25	17	0	CB around linear reg	0.0448	2.07
AW-21	UA	E008	Beryllium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.00190
AW-21	UA	E008	Boron, total	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	10.2	0.535
AW-21	UA	E008	Cadmium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.00100
AW-21	UA	E008	Chloride, total	mg/L	02/11/21 - 02/03/25	17	0	CB around linear reg	65.5	56.0
AW-21	UA	E008	Chromium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.004	0.0480
AW-21	UA	E008	Cobalt, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.002	0.0280
AW-21	UA	E008	Fluoride, total	mg/L	02/11/21 - 02/03/25	17	6	CB around linear reg	0.127	0.396
AW-21	UA	E008	Lead, total	mg/L	02/11/21 - 02/03/25	17	94	CI around median	0.001	0.0330
AW-21	UA	E008	Lithium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.02	0.0710
AW-21	UA	E008	Mercury, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.0002	0.0002
AW-21	UA	E008	Molybdenum, total	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	0.0175	0.00620
AW-21	UA	E008	pH (field)	SU	02/11/21 - 02/03/25	17	0	CI around median	7.2/7.3	6.3/7.1
AW-21	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/03/25	17	0	CI around mean	0.57	9.60
AW-21	UA	E008	Selenium, total	mg/L	02/11/21 - 02/03/25	17	59	CI around median	0.001	0.00320

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AW-21	UA	E008	Sulfate, total	mg/L	02/11/21 - 02/03/25	17	0	CI around median	230	6.48
AW-21	UA	E008	Thallium, total	mg/L	02/11/21 - 02/03/25	17	100	All ND - Last	0.001	0.001
AW-21	UA	E008	Total Dissolved Solids	mg/L	02/11/21 - 02/03/25	17	0	CI around mean	650	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) on October 25, 2021 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:
E008 = Quarter 1, 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 T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = 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