



Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

February 4, 2025

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794

Re: Baldwin Power Plant Bottom Ash Pond; IEPA ID # W1578510001-06

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 4, 2024 sampling event at the Baldwin Power Plant Bottom Ash Pond (BAP), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1578510001-06. 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 compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances 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).

As allowed in 35 I.A.C. § 845.650(e), Alternative Source Demonstrations (ASDs) were submitted on October 27, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event; on February 6, 2024 for the exceedance of the GWPS detected during the Quarter 3, 2023 sampling event; on July 9, 2024 for the exceedance of the GWPS detected during the Quarter 1, 2024 sampling event; and on December 20, 2024 for the exceedance of the GWPS detected during the Quarter 3, 2024 sampling event. Exceedances of chloride, fluoride, and lithium were detected during the Quarter 4, 2024 sampling event in the same monitoring wells identified in the submitted ASDs. The IEPA provided written concurrences with the Quarter 2, 2023 and Quarter 1, 2024 ASDs on November 28, 2023 and August 8, 2024, respectively.

An ASD was also submitted on September 17, 2024 for the exceedance of the GWPS detected during the Quarter 2, 2024 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on October 3, 2024, that did not concur with the Quarter 1, 2024 ASD submitted on September 17, 2024. A fluoride exceedance was detected during the Quarter 4, 2024 sampling event in the same monitoring well identified in the Quarter 2, 2024 ASD.

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Morris", is written over a light blue horizontal line.

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 2024, Bottom Ash Pond, Baldwin Power Plant, Baldwin, Illinois

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 4, 2024
BOTTOM ASH POND, BALDWIN POWER PLANT, BALDWIN, ILLINOIS

February 4, 2025

Samples were collected between October 14 and November 1, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on December 6, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2024 sampling event. An accurate water level reading could not be obtained at monitoring well MW-358R due to water level meter malfunction; therefore, a groundwater elevation was not collected for this 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 4, 2024 sampling event.

Following the observation of abnormally high groundwater elevations, background well MW-358 was inspected and one of the well casing joints in MW-358 was observed to be compromised. The IEPA was notified on September 16, 2024² and MW-358 was abandoned and replaced with MW-358R in October 2024. Updates to the Groundwater Monitoring Plan Revision 1³ will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan⁴), constituent concentrations observed at compliance monitoring wells in Quarter 4, 2024 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration⁵ (ASD) was submitted on October 27, 2023 for exceedances of the chloride and fluoride GWPS detected during the Quarter 2, 2023

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 Dynegy Midwest Generation, LLC's operating permit application for Baldwin Power Plant Bottom Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

² Luminant, 2024. Re: Baldwin Power Plant Groundwater Well Abandonment and Replacement. September 16, 2024.

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. *Groundwater Monitoring Plan Revision 1. Baldwin Power Plant, Bottom Ash Pond, Baldwin, Illinois. Dynegy Midwest Generation, LLC. August 1, 2023.*

⁴ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. *Groundwater Monitoring Plan Revision 1. Baldwin Power Plant, Bottom Ash Pond, Baldwin, Illinois. Dynegy Midwest Generation, LLC. August 1, 2023.*

⁵ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynegy Midwest Generation, LLC. October 27, 2023.*

sampling event. Exceedances of chloride and fluoride were detected during the Quarter 4, 2024 sampling event in the same monitoring wells identified in the approved ASD. The Illinois Environmental Protection Agency (IEPA) provided a written concurrence with the ASD on November 28, 2023⁶.

A second ASD⁷ was submitted on July 8, 2024 for the exceedance of the lithium GWPS detected during the Quarter 1, 2024 sampling event. An exceedance of lithium was detected during the Quarter 4, 2024 sampling event in the same monitoring wells identified in the approved ASD. The IEPA provided a written concurrence with the ASD on August 8, 2024⁸.

As allowed in 35 I.A.C. § 845.650(e), an ASD⁹ was submitted on September 17, 2024, for the exceedance of the fluoride GWPS detected at monitoring well MW-392 during the Quarter 2, 2024 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on October 3, 2024¹⁰ that did not concur with the ASD. Another ASD¹¹ was submitted on December 20, 2024, for the exceedance of the Fluoride GWPS detected at monitoring well MW-392 during the Quarter 3, 2024 sampling event. An exceedance of fluoride was detected during the Quarter 4, 2024 sampling event in the same monitoring well.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 4, 2024
Table 2	Evaluation of Compliance - Quarter 4, 2024

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 4, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 4, 2024
Attachment C	Comparison to Background - Quarter 4, 2024

⁶ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* November 28, 2023.

⁷ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC.* October 27, 2023.

⁸ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* August 8, 2024.

⁹ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC.* September 17, 2024.

¹⁰ Illinois Environmental Protection Agency (IEPA), 2024. *Letter from Darin LeCrone (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* October 3, 2024.

¹¹ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC.* December 20, 2024.

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E007	10/16/2024	Antimony, total	0.0008 J	mg/L
MW-304	Background	E007	10/16/2024	Arsenic, total	0.00280	mg/L
MW-304	Background	E007	10/16/2024	Barium, total	0.0192	mg/L
MW-304	Background	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E007	10/16/2024	Boron, total	1.90	mg/L
MW-304	Background	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E007	10/16/2024	Calcium, total	11.0	mg/L
MW-304	Background	E007	10/16/2024	Chloride, total	169	mg/L
MW-304	Background	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-304	Background	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E007	10/16/2024	Dissolved Oxygen	1.24	mg/L
MW-304	Background	E007	10/16/2024	Fluoride, total	1.82	mg/L
MW-304	Background	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E007	10/16/2024	Lithium, total	0.0833	mg/L
MW-304	Background	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E007	10/16/2024	Molybdenum, total	0.00170	mg/L
MW-304	Background	E007	10/16/2024	Oxidation Reduction Potential	-32.0	mV
MW-304	Background	E007	10/16/2024	pH (field)	7.5	SU
MW-304	Background	E007	10/16/2024	Radium 226 + Radium 228, total	0.518	pCi/L
MW-304	Background	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E007	10/16/2024	Specific Conductance @ 25C (field)	2,540	micromhos/cm
MW-304	Background	E007	10/16/2024	Sulfate, total	190	mg/L
MW-304	Background	E007	10/16/2024	Temperature	15.3	degrees C
MW-304	Background	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E007	10/16/2024	Total Dissolved Solids	1,500	mg/L
MW-304	Background	E007	10/16/2024	Turbidity, field	6.30	NTU
MW-358R	Background	E007	11/01/2024	Antimony, total	0.00330	mg/L
MW-358R	Background	E007	11/01/2024	Arsenic, total	0.00370	mg/L
MW-358R	Background	E007	11/01/2024	Barium, total	0.167	mg/L
MW-358R	Background	E007	11/01/2024	Beryllium, total	0.0005 J	mg/L
MW-358R	Background	E007	11/01/2024	Boron, total	0.945	mg/L
MW-358R	Background	E007	11/01/2024	Cadmium, total	0.0002 J	mg/L
MW-358R	Background	E007	11/01/2024	Calcium, total	48.6	mg/L
MW-358R	Background	E007	11/01/2024	Chloride, total	1,040	mg/L
MW-358R	Background	E007	11/01/2024	Chromium, total	0.0267	mg/L
MW-358R	Background	E007	11/01/2024	Cobalt, total	0.00380	mg/L
MW-358R	Background	E007	11/01/2024	Dissolved Oxygen	2.65	mg/L
MW-358R	Background	E007	11/01/2024	Fluoride, total	1.20	mg/L
MW-358R	Background	E007	11/01/2024	Lead, total	0.00190	mg/L
MW-358R	Background	E007	11/01/2024	Lithium, total	0.0224	mg/L
MW-358R	Background	E007	11/01/2024	Mercury, total	0.00006 U	mg/L
MW-358R	Background	E007	11/01/2024	Molybdenum, total	0.142	mg/L
MW-358R	Background	E007	11/01/2024	Oxidation Reduction Potential	-107	mV
MW-358R	Background	E007	11/01/2024	pH (field)	7.7	SU
MW-358R	Background	E007	11/01/2024	Radium 226 + Radium 228, total	0.399	pCi/L
MW-358R	Background	E007	11/01/2024	Selenium, total	0.00330	mg/L

TABLE 1.
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845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358R	Background	E007	11/01/2024	Specific Conductance @ 25C (field)	3,520	micromhos/cm
MW-358R	Background	E007	11/01/2024	Sulfate, total	170	mg/L
MW-358R	Background	E007	11/01/2024	Temperature	16.7	degrees C
MW-358R	Background	E007	11/01/2024	Thallium, total	0.001 U	mg/L
MW-358R	Background	E007	11/01/2024	Total Dissolved Solids	2,350	mg/L
MW-358R	Background	E007	11/01/2024	Turbidity, field	43.0	NTU
MW-192	Compliance	E007	10/15/2024	Antimony, total	0.0007 J	mg/L
MW-192	Compliance	E007	10/15/2024	Arsenic, total	0.0007 J	mg/L
MW-192	Compliance	E007	10/15/2024	Barium, total	0.0953	mg/L
MW-192	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E007	10/15/2024	Boron, total	0.0672 J+	mg/L
MW-192	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E007	10/15/2024	Calcium, total	72.4	mg/L
MW-192	Compliance	E007	10/15/2024	Chloride, total	19.8	mg/L
MW-192	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-192	Compliance	E007	10/15/2024	Cobalt, total	0.0006 J	mg/L
MW-192	Compliance	E007	10/15/2024	Dissolved Oxygen	0.750	mg/L
MW-192	Compliance	E007	10/15/2024	Fluoride, total	0.41 J	mg/L
MW-192	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Lithium, total	0.00350	mg/L
MW-192	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Molybdenum, total	0.00210	mg/L
MW-192	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-90.0	mV
MW-192	Compliance	E007	10/15/2024	pH (field)	6.6	SU
MW-192	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.288	pCi/L
MW-192	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	849	micromhos/cm
MW-192	Compliance	E007	10/15/2024	Sulfate, total	15.0	mg/L
MW-192	Compliance	E007	10/15/2024	Temperature	18.1	degrees C
MW-192	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E007	10/15/2024	Total Dissolved Solids	450	mg/L
MW-192	Compliance	E007	10/15/2024	Turbidity, field	53.0	NTU
MW-193	Compliance	E007	10/15/2024	Antimony, total	0.0006 J	mg/L
MW-193	Compliance	E007	10/15/2024	Arsenic, total	0.0007 J	mg/L
MW-193	Compliance	E007	10/15/2024	Barium, total	0.0749	mg/L
MW-193	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E007	10/15/2024	Boron, total	0.0524 J+	mg/L
MW-193	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E007	10/15/2024	Calcium, total	84.6	mg/L
MW-193	Compliance	E007	10/15/2024	Chloride, total	31.4	mg/L
MW-193	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-193	Compliance	E007	10/15/2024	Cobalt, total	0.0005 J	mg/L
MW-193	Compliance	E007	10/15/2024	Dissolved Oxygen	0.670	mg/L
MW-193	Compliance	E007	10/15/2024	Fluoride, total	0.23 J	mg/L
MW-193	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Lithium, total	0.00580	mg/L

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Molybdenum, total	0.0008 J	mg/L
MW-193	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-88.0	mV
MW-193	Compliance	E007	10/15/2024	pH (field)	6.5	SU
MW-193	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.449	pCi/L
MW-193	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-193	Compliance	E007	10/15/2024	Sulfate, total	151	mg/L
MW-193	Compliance	E007	10/15/2024	Temperature	17.7	degrees C
MW-193	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E007	10/15/2024	Total Dissolved Solids	614	mg/L
MW-193	Compliance	E007	10/15/2024	Turbidity, field	9.80	NTU
MW-356	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-356	Compliance	E007	10/16/2024	Arsenic, total	0.0004 U	mg/L
MW-356	Compliance	E007	10/16/2024	Barium, total	0.0375	mg/L
MW-356	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E007	10/16/2024	Boron, total	2.05	mg/L
MW-356	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E007	10/16/2024	Calcium, total	12.2	mg/L
MW-356	Compliance	E007	10/16/2024	Chloride, total	29.5	mg/L
MW-356	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E007	10/16/2024	Dissolved Oxygen	0.460	mg/L
MW-356	Compliance	E007	10/16/2024	Fluoride, total	2.10	mg/L
MW-356	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Lithium, total	0.0557	mg/L
MW-356	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Molybdenum, total	0.00210	mg/L
MW-356	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-74.0	mV
MW-356	Compliance	E007	10/16/2024	pH (field)	7.7	SU
MW-356	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.146	pCi/L
MW-356	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-356	Compliance	E007	10/16/2024	Sulfate, total	41.0	mg/L
MW-356	Compliance	E007	10/16/2024	Temperature	16.6	degrees C
MW-356	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E007	10/16/2024	Total Dissolved Solids	632	mg/L
MW-356	Compliance	E007	10/16/2024	Turbidity, field	11.0	NTU
MW-369	Compliance	E007	10/15/2024	Antimony, total	0.00260	mg/L
MW-369	Compliance	E007	10/15/2024	Arsenic, total	0.00180	mg/L
MW-369	Compliance	E007	10/15/2024	Barium, total	0.126	mg/L
MW-369	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E007	10/15/2024	Boron, total	0.251 J+	mg/L
MW-369	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E007	10/15/2024	Calcium, total	126	mg/L
MW-369	Compliance	E007	10/15/2024	Chloride, total	63.3	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E007	10/15/2024	Chromium, total	0.0009 J	mg/L
MW-369	Compliance	E007	10/15/2024	Cobalt, total	0.00160	mg/L
MW-369	Compliance	E007	10/15/2024	Dissolved Oxygen	0.330	mg/L
MW-369	Compliance	E007	10/15/2024	Fluoride, total	0.520	mg/L
MW-369	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Lithium, total	0.0135	mg/L
MW-369	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Molybdenum, total	0.00210	mg/L
MW-369	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-226	mV
MW-369	Compliance	E007	10/15/2024	pH (field)	8.4	SU
MW-369	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.218	pCi/L
MW-369	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	2,270	micromhos/cm
MW-369	Compliance	E007	10/15/2024	Sulfate, total	94.8	mg/L
MW-369	Compliance	E007	10/15/2024	Temperature	15.3	degrees C
MW-369	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E007	10/15/2024	Total Dissolved Solids	786	mg/L
MW-369	Compliance	E007	10/15/2024	Turbidity, field	3.70	NTU
MW-370	Compliance	E007	10/15/2024	Antimony, total	0.00150	mg/L
MW-370	Compliance	E007	10/15/2024	Arsenic, total	0.0008 J	mg/L
MW-370	Compliance	E007	10/15/2024	Barium, total	0.0340	mg/L
MW-370	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E007	10/15/2024	Boron, total	1.93	mg/L
MW-370	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E007	10/15/2024	Calcium, total	40.4	mg/L
MW-370	Compliance	E007	10/15/2024	Chloride, total	1,520	mg/L
MW-370	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E007	10/15/2024	Cobalt, total	0.0002 J	mg/L
MW-370	Compliance	E007	10/15/2024	Dissolved Oxygen	0.420	mg/L
MW-370	Compliance	E007	10/15/2024	Fluoride, total	3.14	mg/L
MW-370	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Lithium, total	0.138	mg/L
MW-370	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Molybdenum, total	0.0136	mg/L
MW-370	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-59.0	mV
MW-370	Compliance	E007	10/15/2024	pH (field)	7.4	SU
MW-370	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.595	pCi/L
MW-370	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	6,170	micromhos/cm
MW-370	Compliance	E007	10/15/2024	Sulfate, total	252	mg/L
MW-370	Compliance	E007	10/15/2024	Temperature	15.6	degrees C
MW-370	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E007	10/15/2024	Total Dissolved Solids	3,020	mg/L
MW-370	Compliance	E007	10/15/2024	Turbidity, field	1 U	NTU
MW-382	Compliance	E007	10/15/2024	Antimony, total	0.00100 J	mg/L
MW-382	Compliance	E007	10/15/2024	Arsenic, total	0.00200	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E007	10/15/2024	Barium, total	0.0254	mg/L
MW-382	Compliance	E007	10/15/2024	Beryllium, total	0.0007 J	mg/L
MW-382	Compliance	E007	10/15/2024	Boron, total	1.80	mg/L
MW-382	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E007	10/15/2024	Calcium, total	29.5	mg/L
MW-382	Compliance	E007	10/15/2024	Chloride, total	30.6	mg/L
MW-382	Compliance	E007	10/15/2024	Chromium, total	0.0188	mg/L
MW-382	Compliance	E007	10/15/2024	Cobalt, total	0.00360	mg/L
MW-382	Compliance	E007	10/15/2024	Dissolved Oxygen	0.540	mg/L
MW-382	Compliance	E007	10/15/2024	Fluoride, total	3.06	mg/L
MW-382	Compliance	E007	10/15/2024	Lead, total	0.00340	mg/L
MW-382	Compliance	E007	10/15/2024	Lithium, total	0.0618	mg/L
MW-382	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E007	10/15/2024	Molybdenum, total	0.00230	mg/L
MW-382	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-96.0	mV
MW-382	Compliance	E007	10/15/2024	pH (field)	7.6	SU
MW-382	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.335	pCi/L
MW-382	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	1,970	micromhos/cm
MW-382	Compliance	E007	10/15/2024	Sulfate, total	389	mg/L
MW-382	Compliance	E007	10/15/2024	Temperature	15.9	degrees C
MW-382	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E007	10/15/2024	Total Dissolved Solids	3,600	mg/L
MW-382	Compliance	E007	10/15/2024	Turbidity, field	51.0	NTU
MW-392	Compliance	E007	10/15/2024	Antimony, total	0.00100 J	mg/L
MW-392	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-392	Compliance	E007	10/15/2024	Barium, total	0.0369	mg/L
MW-392	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E007	10/15/2024	Boron, total	2.02	mg/L
MW-392	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E007	10/15/2024	Calcium, total	24.8	mg/L
MW-392	Compliance	E007	10/15/2024	Chloride, total	993	mg/L
MW-392	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-392	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E007	10/15/2024	Dissolved Oxygen	1.42	mg/L
MW-392	Compliance	E007	10/15/2024	Fluoride, total	4.36	mg/L
MW-392	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Lithium, total	0.0799	mg/L
MW-392	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-142	mV
MW-392	Compliance	E007	10/15/2024	pH (field)	7.6	SU
MW-392	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.109	pCi/L
MW-392	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	3,830	micromhos/cm
MW-392	Compliance	E007	10/15/2024	Sulfate, total	52.5	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E007	10/15/2024	Temperature	17.4	degrees C
MW-392	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E007	10/15/2024	Total Dissolved Solids	1,940	mg/L
MW-392	Compliance	E007	10/15/2024	Turbidity, field	7.00	NTU
MW-393	Compliance	E007	10/15/2024	Antimony, total	0.0008 J	mg/L
MW-393	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E007	10/15/2024	Barium, total	0.0380	mg/L
MW-393	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E007	10/15/2024	Boron, total	1.86	mg/L
MW-393	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E007	10/15/2024	Calcium, total	6.10	mg/L
MW-393	Compliance	E007	10/15/2024	Chloride, total	880	mg/L
MW-393	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-393	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E007	10/15/2024	Dissolved Oxygen	0.310	mg/L
MW-393	Compliance	E007	10/15/2024	Fluoride, total	10.4	mg/L
MW-393	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Lithium, total	0.0706	mg/L
MW-393	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-258	mV
MW-393	Compliance	E007	10/15/2024	pH (field)	8.1	SU
MW-393	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.0724	pCi/L
MW-393	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	4,640	micromhos/cm
MW-393	Compliance	E007	10/15/2024	Sulfate, total	181	mg/L
MW-393	Compliance	E007	10/15/2024	Temperature	17.7	degrees C
MW-393	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E007	10/15/2024	Total Dissolved Solids	2,830	mg/L
MW-393	Compliance	E007	10/15/2024	Turbidity, field	1.50	NTU
MW-394	Compliance	E007	10/15/2024	Antimony, total	0.0007 J	mg/L
MW-394	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E007	10/15/2024	Barium, total	0.0171	mg/L
MW-394	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E007	10/15/2024	Boron, total	1.80	mg/L
MW-394	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E007	10/15/2024	Calcium, total	8.67	mg/L
MW-394	Compliance	E007	10/15/2024	Chloride, total	828	mg/L
MW-394	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E007	10/15/2024	Dissolved Oxygen	0.690	mg/L
MW-394	Compliance	E007	10/15/2024	Fluoride, total	5.07	mg/L
MW-394	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Lithium, total	0.0622	mg/L
MW-394	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Molybdenum, total	0.001 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-292	mV
MW-394	Compliance	E007	10/15/2024	pH (field)	7.9	SU
MW-394	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.534	pCi/L
MW-394	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	4,340	micromhos/cm
MW-394	Compliance	E007	10/15/2024	Sulfate, total	213	mg/L
MW-394	Compliance	E007	10/15/2024	Temperature	17.1	degrees C
MW-394	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E007	10/15/2024	Total Dissolved Solids	2,310	mg/L
MW-394	Compliance	E007	10/15/2024	Turbidity, field	39.0	NTU
OW-256	Compliance	E007	10/15/2024	Antimony, total	0.0006 J	mg/L
OW-256	Compliance	E007	10/15/2024	Arsenic, total	0.0009 J	mg/L
OW-256	Compliance	E007	10/15/2024	Barium, total	0.0805	mg/L
OW-256	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E007	10/15/2024	Boron, total	0.210 J+	mg/L
OW-256	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E007	10/15/2024	Calcium, total	83.9	mg/L
OW-256	Compliance	E007	10/15/2024	Chloride, total	52.0	mg/L
OW-256	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
OW-256	Compliance	E007	10/15/2024	Cobalt, total	0.0005 J	mg/L
OW-256	Compliance	E007	10/15/2024	Dissolved Oxygen	0.910	mg/L
OW-256	Compliance	E007	10/15/2024	Fluoride, total	0.24 J	mg/L
OW-256	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Lithium, total	0.00830	mg/L
OW-256	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Molybdenum, total	0.0011 J	mg/L
OW-256	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-73.0	mV
OW-256	Compliance	E007	10/15/2024	pH (field)	6.8	SU
OW-256	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.4	pCi/L
OW-256	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	549	micromhos/cm
OW-256	Compliance	E007	10/15/2024	Sulfate, total	65.1	mg/L
OW-256	Compliance	E007	10/15/2024	Temperature	16.0	degrees C
OW-256	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E007	10/15/2024	Total Dissolved Solids	510	mg/L
OW-256	Compliance	E007	10/15/2024	Turbidity, field	1.30	NTU
OW-257	Compliance	E007	10/14/2024	Antimony, total	0.00150	mg/L
OW-257	Compliance	E007	10/14/2024	Arsenic, total	0.00160	mg/L
OW-257	Compliance	E007	10/14/2024	Barium, total	0.107	mg/L
OW-257	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E007	10/14/2024	Boron, total	0.595	mg/L
OW-257	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E007	10/14/2024	Calcium, total	108	mg/L
OW-257	Compliance	E007	10/14/2024	Chloride, total	7.52	mg/L
OW-257	Compliance	E007	10/14/2024	Chromium, total	0.0007 J	mg/L
OW-257	Compliance	E007	10/14/2024	Cobalt, total	0.00320	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E007	10/14/2024	Dissolved Oxygen	1.25	mg/L
OW-257	Compliance	E007	10/14/2024	Fluoride, total	0.3 J	mg/L
OW-257	Compliance	E007	10/14/2024	Lead, total	0.0007 J	mg/L
OW-257	Compliance	E007	10/14/2024	Lithium, total	0.0391	mg/L
OW-257	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E007	10/14/2024	Molybdenum, total	0.00290	mg/L
OW-257	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-89.0	mV
OW-257	Compliance	E007	10/14/2024	pH (field)	6.7	SU
OW-257	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.96	pCi/L
OW-257	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	1,960	micromhos/cm
OW-257	Compliance	E007	10/14/2024	Sulfate, total	104	mg/L
OW-257	Compliance	E007	10/14/2024	Temperature	17.2	degrees C
OW-257	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E007	10/14/2024	Total Dissolved Solids	712	mg/L
OW-257	Compliance	E007	10/14/2024	Turbidity, field	3.40	NTU
PZ-170	Compliance	E007	10/14/2024	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Arsenic, total	0.0009 J	mg/L
PZ-170	Compliance	E007	10/14/2024	Barium, total	0.0869	mg/L
PZ-170	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Boron, total	0.360	mg/L
PZ-170	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Calcium, total	202	mg/L
PZ-170	Compliance	E007	10/14/2024	Chloride, total	83.5	mg/L
PZ-170	Compliance	E007	10/14/2024	Chromium, total	0.0007 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Cobalt, total	0.0009 J	mg/L
PZ-170	Compliance	E007	10/14/2024	Dissolved Oxygen	0.590	mg/L
PZ-170	Compliance	E007	10/14/2024	Fluoride, total	0.2 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Lead, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Lithium, total	0.0420	mg/L
PZ-170	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-218	mV
PZ-170	Compliance	E007	10/14/2024	pH (field)	6.5	SU
PZ-170	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.572	pCi/L
PZ-170	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	2,920	micromhos/cm
PZ-170	Compliance	E007	10/14/2024	Sulfate, total	234	mg/L
PZ-170	Compliance	E007	10/14/2024	Temperature	17.0	degrees C
PZ-170	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Total Dissolved Solids	1,140	mg/L
PZ-170	Compliance	E007	10/14/2024	Turbidity, field	1 U	NTU
PZ-182	Compliance	E007	10/15/2024	Antimony, total	0.0008 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Arsenic, total	0.0004 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Barium, total	0.0585	mg/L
PZ-182	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024

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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E007	10/15/2024	Boron, total	0.469	mg/L
PZ-182	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Calcium, total	147	mg/L
PZ-182	Compliance	E007	10/15/2024	Chloride, total	32.5	mg/L
PZ-182	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Cobalt, total	0.0002 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Dissolved Oxygen	0.870	mg/L
PZ-182	Compliance	E007	10/15/2024	Fluoride, total	0.2 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Lithium, total	0.0150	mg/L
PZ-182	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-165	mV
PZ-182	Compliance	E007	10/15/2024	pH (field)	6.7	SU
PZ-182	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.377	pCi/L
PZ-182	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	898	micromhos/cm
PZ-182	Compliance	E007	10/15/2024	Sulfate, total	152	mg/L
PZ-182	Compliance	E007	10/15/2024	Temperature	15.4	degrees C
PZ-182	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Total Dissolved Solids	700	mg/L
PZ-182	Compliance	E007	10/15/2024	Turbidity, field	1 U	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E007 = Quarter 4, 2024 sampling event
mg/L = milligrams per liter
mV = millivolts

NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter

Result Code (if applicable):

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

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

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

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
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BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	43	CI around geomean	0.0012	0.010	Standard	No Exceedance
MW-192	UU	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0903	2.0	Standard	No Exceedance
MW-192	UU	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	14	CI around mean	0.0258	2.23	Background	No Exceedance
MW-192	UU	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	10.7	1,370	Background	No Exceedance
MW-192	UU	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	50	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around median	0.41	4.0	Standard	No Exceedance
MW-192	UU	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	7	CB around linear reg	-0.0237	0.123	Background	No Exceedance
MW-192	UU	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	21	CB around T-S line	-0.00419	0.1	Standard	No Exceedance
MW-192	UU	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.338	5	Standard	No Exceedance
MW-192	UU	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	-8.13	400	Standard	No Exceedance
MW-192	UU	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around T-S line	-10.8	3,260	Background	No Exceedance
MW-193	UU	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	36	CB around T-S line	-0.0014	0.010	Standard	No Exceedance
MW-193	UU	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	7	CI around mean	0.039	2.23	Background	No Exceedance
MW-193	UU	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	29.4	1,370	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around geomean	0.246	4.0	Standard	No Exceedance
MW-193	UU	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	14	CI around mean	0.00399	0.123	Background	No Exceedance
MW-193	UU	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.479	5	Standard	No Exceedance
MW-193	UU	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	154	400	Standard	No Exceedance
MW-193	UU	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	548	3,260	Background	No Exceedance
MW-356	UA	E007	Antimony, total	mg/L	12/29/15 - 10/16/24	29	90	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/16/24	32	84	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E007	Barium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E007	Boron, total	mg/L	12/29/15 - 10/16/24	33	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E007	Chloride, total	mg/L	12/29/15 - 10/16/24	33	0	CB around linear reg	27.4	1,370	Background	No Exceedance
MW-356	UA	E007	Chromium, total	mg/L	12/29/15 - 10/16/24	31	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/16/24	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/16/24	33	0	CB around linear reg	2	4.0	Standard	No Exceedance
MW-356	UA	E007	Lead, total	mg/L	12/29/15 - 10/16/24	30	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E007	Lithium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0523	0.123	Background	No Exceedance
MW-356	UA	E007	Mercury, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/16/24	32	62	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E007	pH (field)	SU	12/29/15 - 10/16/24	33	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/16/24	32	0	CI around median	0.146	5	Standard	No Exceedance
MW-356	UA	E007	Selenium, total	mg/L	12/29/15 - 10/16/24	29	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/16/24	33	0	CI around mean	44.1	400	Standard	No Exceedance
MW-356	UA	E007	Thallium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/16/24	32	0	CI around mean	660	3,260	Background	No Exceedance
MW-369	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	23	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	12	CI around geomean	0.00145	0.010	Standard	No Exceedance
MW-369	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.0739	2.0	Standard	No Exceedance
MW-369	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	27	0	CB around linear reg	-0.206	2.23	Background	No Exceedance
MW-369	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around geomean	84.1	1,370	Background	No Exceedance
MW-369	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	25	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-369	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CB around T-S line	-0.295	4.0	Standard	No Exceedance
MW-369	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	24	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	26	4	CB around T-S line	0.00831	0.123	Background	No Exceedance
MW-369	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	4	CB around T-S line	-0.00639	0.1	Standard	No Exceedance
MW-369	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	27	0	CI around mean	7.4/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CI around mean	0.459	5	Standard	No Exceedance
MW-369	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	23	70	CB around T-S line	-0.00691	0.05	Standard	No Exceedance
MW-369	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	27	0	CB around T-S line	-20.8	400	Standard	No Exceedance
MW-369	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	27	0	CI around median	732	3,260	Background	No Exceedance
MW-370	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	29	76	CB around T-S line	0.000298	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	32	62	CB around T-S line	0.000147	0.010	Standard	No Exceedance
MW-370	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	32	0	CB around T-S line	0.0273	2.0	Standard	No Exceedance
MW-370	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	33	0	CI around median	1.77	2.23	Background	No Exceedance
MW-370	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	33	0	CB around linear reg	1,400	1,370	Background	Exceedance
MW-370	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	31	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	30	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	33	0	CB around T-S line	3.05	4.0	Standard	No Exceedance
MW-370	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	32	0	CI around mean	0.133	0.123	Background	Exceedance
MW-370	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	32	3	CB around T-S line	0.00277	0.1	Standard	No Exceedance
MW-370	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	33	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	32	0	CI around geomean	0.576	5	Standard	No Exceedance
MW-370	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	29	97	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	33	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	33	0	CB around linear reg	2,990	3,260	Background	No Exceedance
MW-382	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	23	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-382	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	19	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around mean	0.0185	2.0	Standard	No Exceedance
MW-382	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	95	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	27	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around mean	34.3	1,370	Background	No Exceedance
MW-382	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	25	8	CB around linear reg	0.00842	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	58	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around mean	2.83	4.0	Standard	No Exceedance
MW-382	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	24	50	CB around linear reg	0.00242	0.0075	Standard	No Exceedance
MW-382	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around geomean	0.0581	0.123	Background	No Exceedance
MW-382	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	23	CI around geomean	0.00133	0.1	Standard	No Exceedance
MW-382	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	27	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.508	5	Standard	No Exceedance
MW-382	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	23	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	27	0	CB around linear reg	361	400	Standard	No Exceedance
MW-382	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	27	0	CI around median	1,120	3,260	Background	No Exceedance
MW-392	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0383	2.0	Standard	No Exceedance
MW-392	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1.72	2.23	Background	No Exceedance
MW-392	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	827	1,370	Background	No Exceedance
MW-392	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	4.06	4.0	Standard	Exceedance
MW-392	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0643	0.123	Background	No Exceedance
MW-392	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	15	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.37	5	Standard	No Exceedance
MW-392	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around geomean	50	400	Standard	No Exceedance
MW-392	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	1,690	3,260	Background	No Exceedance
MW-393	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0267	2.0	Standard	No Exceedance
MW-393	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	1.61	2.23	Background	No Exceedance
MW-393	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	752	1,370	Background	No Exceedance
MW-393	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	9.03	4.0	Standard	Exceedance
MW-393	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0618	0.123	Background	No Exceedance
MW-393	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	15	0	CI around mean	7.9/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.241	5	Standard	No Exceedance
MW-393	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	176	400	Standard	No Exceedance
MW-393	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around T-S line	2,490	3,260	Background	No Exceedance
MW-394	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	71	CB around T-S line	-0.00183	0.006	Standard	No Exceedance
MW-394	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	57	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0259	2.0	Standard	No Exceedance
MW-394	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1.62	2.23	Background	No Exceedance
MW-394	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	528	1,370	Background	No Exceedance
MW-394	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	3.55	4.0	Standard	No Exceedance
MW-394	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0545	0.123	Background	No Exceedance
MW-394	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	43	CB around linear reg	-0.00554	0.1	Standard	No Exceedance
MW-394	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	7.8/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.386	5	Standard	No Exceedance
MW-394	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	-6.09	400	Standard	No Exceedance
MW-394	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1,860	3,260	Background	No Exceedance
OW-256	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	38	CI around median	0.001	0.010	Standard	No Exceedance
OW-256	PMP	E007	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0791	2.0	Standard	No Exceedance
OW-256	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E007	Boron, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.168	2.23	Background	No Exceedance
OW-256	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	52.8	1,370	Background	No Exceedance
OW-256	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	62	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.236	4.0	Standard	No Exceedance
OW-256	PMP	E007	Lead, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.00449	0.123	Background	No Exceedance
OW-256	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E007	pH (field)	SU	03/14/23 - 10/15/24	8	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.383	5	Standard	No Exceedance
OW-256	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	65.4	400	Standard	No Exceedance
OW-256	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	484	3,260	Background	No Exceedance
OW-257	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/14/24	8	50	CI around geomean	0.000876	0.006	Standard	No Exceedance
OW-257	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/14/24	8	12	CI around median	0.0016	0.010	Standard	No Exceedance
OW-257	PMP	E007	Barium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0988	2.0	Standard	No Exceedance
OW-257	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/14/24	8	88	CI around median	0.0005	0.004	Standard	No Exceedance
OW-257	PMP	E007	Boron, total	mg/L	03/14/23 - 10/14/24	8	0	CI around mean	0.461	2.23	Background	No Exceedance
OW-257	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/14/24	8	88	CI around median	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/14/24	8	0	CI around mean	6.94	1,370	Background	No Exceedance
OW-257	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.0015	0.1	Standard	No Exceedance
OW-257	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.001	0.006	Standard	No Exceedance
OW-257	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/14/24	8	12	CI around mean	0.325	4.0	Standard	No Exceedance
OW-257	PMP	E007	Lead, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.001	0.0075	Standard	No Exceedance
OW-257	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0268	0.123	Background	No Exceedance
OW-257	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.0026	0.1	Standard	No Exceedance
OW-257	PMP	E007	pH (field)	SU	03/14/23 - 10/14/24	8	0	CI around mean	6.7/7.2	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around geomean	0.383	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/14/24	8	0	CB around linear reg	83.9	400	Standard	No Exceedance
OW-257	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/14/24	8	0	CI around median	682	3,260	Background	No Exceedance
PZ-170	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/14/24	7	43	CI around median	0.001	0.010	Standard	No Exceedance
PZ-170	PMP	E007	Barium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0601	2.0	Standard	No Exceedance
PZ-170	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E007	Boron, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.245	2.23	Background	No Exceedance
PZ-170	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/14/24	7	0	CI around median	35	1,370	Background	No Exceedance
PZ-170	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.00089	0.006	Standard	No Exceedance
PZ-170	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.182	4.0	Standard	No Exceedance
PZ-170	PMP	E007	Lead, total	mg/L	03/14/23 - 10/14/24	7	86	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-170	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0281	0.123	Background	No Exceedance
PZ-170	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E007	pH (field)	SU	03/14/23 - 10/14/24	8	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around mean	0.198	5	Standard	No Exceedance
PZ-170	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	178	400	Standard	No Exceedance
PZ-170	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	887	3,260	Background	No Exceedance
PZ-182	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E007	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0556	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E007	Boron, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.411	2.23	Background	No Exceedance
PZ-182	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/15/24	8	0	CI around geomean	23.9	1,370	Background	No Exceedance
PZ-182	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	88	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.152	4.0	Standard	No Exceedance
PZ-182	PMP	E007	Lead, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0107	0.123	Background	No Exceedance
PZ-182	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E007	pH (field)	SU	03/14/23 - 10/15/24	8	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.327	5	Standard	No Exceedance
PZ-182	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	136	400	Standard	No Exceedance
PZ-182	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	624	3,260	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Bottom Ash Pond. The proposed groundwater monitoring program was revised on August 1, 2023. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E007 = Quarter 4, 2024 sampling event

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

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

GWPS Source:

Background = background concentration

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

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

MONITORING WELL LOCATION MAP

FIGURE 1

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 4, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-192	Compliance	10/14/2024	8.42	428.64
MW-193	Compliance	10/14/2024	8.97	429.21
MW-304	Background	10/14/2024	9.64	445.67
MW-356	Compliance	10/14/2024	4.72	423.07
MW-358R	Background	10/14/2024	DM ³	
MW-369	Compliance	10/14/2024	13.61	409.09
MW-370	Compliance	10/14/2024	18.88	401.89
MW-382	Compliance	10/14/2024	16.59	414.52
MW-392	Compliance	10/14/2024	9.21	427.88
MW-393	Compliance	10/14/2024	8.33	429.70
MW-394	Compliance	10/14/2024	6.79	431.61
OW-256	Compliance	10/14/2024	11.76	416.37
OW-257	Compliance	10/14/2024	7.11	424.00
PZ-170	Compliance	10/14/2024	16.15	404.92
PZ-182	Compliance	10/14/2024	8.89	422.44
TPZ-164	Water Level	10/14/2024	4.45	430.60
XPW01	Water Level	10/14/2024	10.84	426.95
XPW05	Water Level	10/14/2024	5.12	432.21
XPW06	Water Level	10/14/2024	2.59	415.14

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

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2024**

December 06, 2024

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



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

RE: BAL-24Q4

WorkOrder: 24100001

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_845_601 on 11/1/2024 1:24:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Quality Control Results	30
Receiving Check List	95
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

Cooler Receipt Temp: 12.1 °C

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

Per Eric Bauer's request, only BAL_845_601 data is included in this report. EAH 12/6/24

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-009
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-192

Collection Date: 10/15/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.38	ft	1	10/15/2024 10:58	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		53	NTU	1	10/15/2024 10:58	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-90	mV	1	10/15/2024 10:58	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		849	µS/cm	1	10/15/2024 10:58	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.1	°C	1	10/15/2024 10:58	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.75	mg/L	1	10/15/2024 10:58	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.60		1	10/15/2024 10:58	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		358	mg/L	1	10/17/2024 10:30	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 10:30	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		450	mg/L	1	10/18/2024 10:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.41	mg/L	10	10/16/2024 14:29	R354678
Chloride	NELAP	1.00	5.00		19.8	mg/L	10	10/16/2024 14:29	R354678
Sulfate	NELAP	3.00	10.0		15.0	mg/L	10	10/16/2024 14:29	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		72.4	mg/L	1	10/18/2024 13:45	229828
Magnesium	NELAP	0.0055	0.0500		30.4	mg/L	1	10/18/2024 13:45	229828
Potassium	NELAP	0.0400	0.100		0.484	mg/L	1	10/18/2024 13:45	229828
Sodium	NELAP	0.0180	0.0500		50.3	mg/L	1	10/21/2024 16:30	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	10/29/2024 13:51	230069
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	10/18/2024 23:26	229828
Barium	NELAP	0.0007	0.0010		0.0953	mg/L	5	10/25/2024 0:20	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/18/2024 23:26	229828
Boron	NELAP	0.0092	0.0250		0.0672	mg/L	5	10/23/2024 19:43	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 17:29	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/18/2024 23:26	229828
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	10/18/2024 23:26	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/18/2024 23:26	229828
Lithium	*	0.0015	0.0030		0.0035	mg/L	5	10/23/2024 19:43	230069
Molybdenum	NELAP	0.0006	0.0015		0.0021	mg/L	5	10/18/2024 23:26	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 19:43	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/18/2024 23:26	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:08	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-010
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-193

Collection Date: 10/15/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.98	ft	1	10/15/2024 9:54	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.8	NTU	1	10/15/2024 9:54	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-88	mV	1	10/15/2024 9:54	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1040	µS/cm	1	10/15/2024 9:54	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.7	°C	1	10/15/2024 9:54	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.67	mg/L	1	10/15/2024 9:54	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.52		1	10/15/2024 9:54	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		294	mg/L	1	10/17/2024 10:36	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 10:36	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		614	mg/L	1	10/18/2024 10:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.23	mg/L	10	10/16/2024 14:41	R354678
Chloride	NELAP	1.00	5.00		31.4	mg/L	10	10/16/2024 14:41	R354678
Sulfate	NELAP	3.00	10.0		151	mg/L	10	10/16/2024 14:41	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		84.6	mg/L	1	10/18/2024 13:45	229828
Magnesium	NELAP	0.0055	0.0500		32.0	mg/L	1	10/18/2024 13:45	229828
Potassium	NELAP	0.0400	0.100		0.553	mg/L	1	10/18/2024 13:45	229828
Sodium	NELAP	0.0180	0.0500		74.2	mg/L	1	10/21/2024 16:31	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	10/29/2024 13:56	230069
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	10/18/2024 23:32	229828
Barium	NELAP	0.0007	0.0010		0.0749	mg/L	5	10/25/2024 0:26	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/18/2024 23:32	229828
Boron	NELAP	0.0092	0.0250		0.0524	mg/L	5	10/23/2024 20:56	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 18:17	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/18/2024 23:32	229828
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	10/18/2024 23:32	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/18/2024 23:32	229828
Lithium	*	0.0015	0.0030		0.0058	mg/L	5	10/23/2024 20:56	230069
Molybdenum	NELAP	0.0006	0.0015	J	0.0008	mg/L	5	10/18/2024 23:32	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 20:56	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/18/2024 23:32	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:11	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-017
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-304

Collection Date: 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.54	ft	1	10/16/2024 9:33	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.3	NTU	1	10/16/2024 9:33	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-32	mV	1	10/16/2024 9:33	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2540	µS/cm	1	10/16/2024 9:33	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	10/16/2024 9:33	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.24	mg/L	1	10/16/2024 9:33	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.54		1	10/16/2024 9:33	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		801	mg/L	1	10/18/2024 12:32	R354869
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2024 12:32	R354869
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1500	mg/L	1	10/18/2024 13:34	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.82	mg/L	10	10/17/2024 10:50	R354743
Chloride	NELAP	1.00	5.00		169	mg/L	10	10/17/2024 10:50	R354743
Sulfate	NELAP	3.00	10.0		190	mg/L	10	10/17/2024 10:50	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		11.0	mg/L	1	10/18/2024 13:25	229864
Magnesium	NELAP	0.0055	0.0500		4.53	mg/L	1	10/18/2024 13:25	229864
Potassium	NELAP	0.0400	0.100		2.52	mg/L	1	10/18/2024 13:25	229864
Sodium	NELAP	0.0180	0.0500		582	mg/L	1	10/18/2024 13:25	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	10/22/2024 11:09	229864
Arsenic	NELAP	0.0004	0.0010		0.0028	mg/L	5	10/19/2024 4:29	229864
Barium	NELAP	0.0007	0.0010		0.0192	mg/L	5	10/19/2024 4:29	229864
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 4:29	229864
Boron	NELAP	0.0092	0.0250		1.90	mg/L	5	10/21/2024 23:32	229864
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 4:29	229864
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 4:29	229864
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 4:29	229864
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 4:29	229864
Lithium	*	0.0015	0.0030		0.0833	mg/L	5	10/22/2024 11:09	229864
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	10/19/2024 4:29	229864
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 4:29	229864
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 4:29	229864
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:22	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-021
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-356

Collection Date: 10/16/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.69	ft	1	10/16/2024 14:26	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	10/16/2024 14:26	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-74	mV	1	10/16/2024 14:26	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1270	µS/cm	1	10/16/2024 14:26	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	10/16/2024 14:26	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	10/16/2024 14:26	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.66		1	10/16/2024 14:26	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		537	mg/L	1	10/22/2024 9:52	R354985
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/22/2024 9:52	R354985
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		632	mg/L	1	10/21/2024 9:02	R355026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		2.10	mg/L	10	10/17/2024 16:05	R354743
Chloride	NELAP	1.00	5.00		29.5	mg/L	10	10/17/2024 16:05	R354743
Sulfate	NELAP	3.00	10.0		41.0	mg/L	10	10/17/2024 16:05	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		12.2	mg/L	1	10/18/2024 13:28	229864
Magnesium	NELAP	0.0055	0.0500		7.43	mg/L	1	10/18/2024 13:28	229864
Potassium	NELAP	0.0400	0.100		2.95	mg/L	1	10/18/2024 13:28	229864
Sodium	NELAP	0.0180	0.0500		256	mg/L	1	10/18/2024 13:28	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 11:21	229864
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Barium	NELAP	0.0007	0.0010		0.0375	mg/L	5	10/19/2024 4:47	229864
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Boron	NELAP	0.0092	0.0250		2.05	mg/L	5	10/22/2024 0:51	229864
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 4:47	229864
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Lithium	*	0.0015	0.0030		0.0557	mg/L	5	10/22/2024 11:21	229864
Molybdenum	NELAP	0.0006	0.0015		0.0021	mg/L	5	10/19/2024 4:47	229864
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 4:47	229864
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 4:47	229864
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:29	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-022
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-358R

Collection Date: 11/01/2024 11:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		81.62	ft	1	11/01/2024 11:28	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		43	NTU	1	11/01/2024 11:28	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-107	mV	1	11/01/2024 11:28	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3520	µS/cm	1	11/01/2024 11:28	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.7	°C	1	11/01/2024 11:28	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.65	mg/L	1	11/01/2024 11:28	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.72		1	11/01/2024 11:28	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		557	mg/L	1	11/04/2024 12:25	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:25	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		2350	mg/L	2.5	11/07/2024 12:47	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.20	mg/L	10	11/05/2024 8:28	R355616
Chloride	NELAP	1.00	5.00		1040	mg/L	10	11/05/2024 8:28	R355616
Sulfate	NELAP	3.00	10.0		170	mg/L	10	11/05/2024 8:28	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		48.6	mg/L	1	11/05/2024 19:22	230648
Magnesium	NELAP	0.0055	0.0500		14.7	mg/L	1	11/05/2024 19:22	230648
Potassium	NELAP	0.200	0.500		8.00	mg/L	5	11/08/2024 9:22	230648
Sodium	NELAP	0.0900	0.250	S	842	mg/L	5	11/06/2024 18:03	230648
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0033	mg/L	5	11/15/2024 9:51	231150
Arsenic	NELAP	0.0004	0.0010		0.0037	mg/L	5	11/12/2024 23:50	230648
Barium	NELAP	0.0007	0.0010		0.167	mg/L	5	11/14/2024 20:55	231150
Beryllium	NELAP	0.0002	0.0010	J	0.0005	mg/L	5	11/12/2024 23:50	230648
Boron	NELAP	0.0092	0.0250		0.945	mg/L	5	11/12/2024 23:50	230648
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	11/12/2024 23:50	230648
Chromium	NELAP	0.0007	0.0015		0.0267	mg/L	5	11/12/2024 23:50	230648
Cobalt	NELAP	0.0001	0.0010		0.0038	mg/L	5	11/12/2024 23:50	230648
Lead	NELAP	0.0006	0.0010		0.0019	mg/L	5	11/09/2024 7:02	230648
Lithium	*	0.0015	0.0030		0.0224	mg/L	5	11/13/2024 11:54	230648
Molybdenum	NELAP	0.0006	0.0015		0.142	mg/L	5	11/13/2024 11:54	230648
Selenium	NELAP	0.0006	0.0010		0.0033	mg/L	5	11/12/2024 23:50	230648
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/09/2024 7:02	230648
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/05/2024 12:56	230651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-024
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-369

Collection Date: 10/15/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.65	ft	1	10/15/2024 11:25	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.7	NTU	1	10/15/2024 11:25	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-226	mV	1	10/15/2024 11:25	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2270	µS/cm	1	10/15/2024 11:25	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	10/15/2024 11:25	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.33	mg/L	1	10/15/2024 11:25	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		8.41		1	10/15/2024 11:25	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		491	mg/L	1	10/17/2024 12:31	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 12:31	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		786	mg/L	1	10/18/2024 10:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.52	mg/L	10	10/16/2024 15:28	R354678
Chloride	NELAP	1.00	5.00		63.3	mg/L	10	10/16/2024 15:28	R354678
Sulfate	NELAP	3.00	10.0		94.8	mg/L	10	10/16/2024 15:28	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		126	mg/L	1	10/18/2024 13:51	229828
Magnesium	NELAP	0.0055	0.0500		40.4	mg/L	1	10/18/2024 13:51	229828
Potassium	NELAP	0.0400	0.100		3.97	mg/L	1	10/18/2024 13:51	229828
Sodium	NELAP	0.0180	0.0500		92.2	mg/L	1	10/21/2024 16:33	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0026	mg/L	5	10/30/2024 6:41	230069
Arsenic	NELAP	0.0004	0.0010		0.0018	mg/L	5	10/23/2024 21:14	230069
Barium	NELAP	0.0007	0.0010		0.126	mg/L	5	10/25/2024 0:44	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/18/2024 23:50	229828
Boron	NELAP	0.0092	0.0250		0.251	mg/L	5	10/23/2024 21:14	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 18:36	229828
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	10/18/2024 23:50	229828
Cobalt	NELAP	0.0001	0.0010		0.0016	mg/L	5	10/18/2024 23:50	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/18/2024 23:50	229828
Lithium	*	0.0015	0.0030		0.0135	mg/L	5	10/23/2024 21:14	230069
Molybdenum	NELAP	0.0006	0.0015		0.0021	mg/L	5	10/18/2024 23:50	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 21:14	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/18/2024 23:50	229828
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:33	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-025
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-370

Collection Date: 10/15/2024 13:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.89	ft	1	10/15/2024 13:56	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	10/15/2024 13:56	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-59	mV	1	10/15/2024 13:56	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		6170	µS/cm	1	10/15/2024 13:56	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	10/15/2024 13:56	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.42	mg/L	1	10/15/2024 13:56	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.43		1	10/15/2024 13:56	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		382	mg/L	1	10/17/2024 11:03	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 11:03	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3020	mg/L	1	10/18/2024 10:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		3.14	mg/L	10	10/16/2024 15:39	R354678
Chloride	NELAP	2.00	10.0		1520	mg/L	20	10/17/2024 12:23	R354743
Sulfate	NELAP	3.00	10.0		252	mg/L	10	10/16/2024 15:39	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		40.4	mg/L	1	10/18/2024 13:52	229828
Magnesium	NELAP	0.0055	0.0500		23.0	mg/L	1	10/18/2024 13:52	229828
Potassium	NELAP	0.0400	0.100		5.80	mg/L	1	10/18/2024 13:52	229828
Sodium	NELAP	0.180	0.500		938	mg/L	10	10/21/2024 16:37	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0015	mg/L	5	10/30/2024 6:46	230069
Arsenic	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	10/18/2024 23:56	229828
Barium	NELAP	0.0007	0.0010		0.0340	mg/L	5	10/25/2024 0:49	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/18/2024 23:56	229828
Boron	NELAP	0.0092	0.0250		1.93	mg/L	5	10/23/2024 21:20	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 18:42	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/18/2024 23:56	229828
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	10/18/2024 23:56	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/18/2024 23:56	229828
Lithium	*	0.0015	0.0030		0.138	mg/L	5	10/23/2024 21:20	230069
Molybdenum	NELAP	0.0006	0.0015		0.0136	mg/L	5	10/18/2024 23:56	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 21:20	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/18/2024 23:56	229828
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:35	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-028
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-382

Collection Date: 10/15/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.58	ft	1	10/15/2024 13:32	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		51	NTU	1	10/15/2024 13:32	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-96	mV	1	10/15/2024 13:32	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1970	µS/cm	1	10/15/2024 13:32	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.9	°C	1	10/15/2024 13:32	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	10/15/2024 13:32	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.63		1	10/15/2024 13:32	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		464	mg/L	1	10/17/2024 12:16	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 12:16	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		3600	mg/L	2.5	10/18/2024 12:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		3.06	mg/L	10	10/16/2024 16:14	R354678
Chloride	NELAP	1.00	5.00		30.6	mg/L	10	10/16/2024 16:14	R354678
Sulfate	NELAP	3.00	10.0		389	mg/L	10	10/16/2024 16:14	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		29.5	mg/L	1	10/18/2024 13:52	229828
Magnesium	NELAP	0.0055	0.0500		12.7	mg/L	1	10/18/2024 13:52	229828
Potassium	NELAP	0.0400	0.100		6.29	mg/L	1	10/18/2024 13:52	229828
Sodium	NELAP	0.0180	0.0500		408	mg/L	1	10/21/2024 16:38	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0010	mg/L	5	10/30/2024 6:51	230069
Arsenic	NELAP	0.0004	0.0010		0.0020	mg/L	5	10/19/2024 0:02	229828
Barium	NELAP	0.0007	0.0010		0.0254	mg/L	5	10/25/2024 0:55	230069
Beryllium	NELAP	0.0002	0.0010	J	0.0007	mg/L	5	10/19/2024 0:02	229828
Boron	NELAP	0.0092	0.0250		1.80	mg/L	5	10/23/2024 21:27	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 18:48	229828
Chromium	NELAP	0.0007	0.0015		0.0188	mg/L	5	10/19/2024 0:02	229828
Cobalt	NELAP	0.0001	0.0010		0.0036	mg/L	5	10/19/2024 0:02	229828
Lead	NELAP	0.0006	0.0010		0.0034	mg/L	5	10/19/2024 0:02	229828
Lithium	*	0.0015	0.0030		0.0618	mg/L	5	10/23/2024 21:27	230069
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	10/19/2024 0:02	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 21:27	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 0:02	229828
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 13:46	229867



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-033
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-392

Collection Date: 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.29	ft	1	10/15/2024 10:38	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.0	NTU	1	10/15/2024 10:38	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-142	mV	1	10/15/2024 10:38	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3830	µS/cm	1	10/15/2024 10:38	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.4	°C	1	10/15/2024 10:38	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.42	mg/L	1	10/15/2024 10:38	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.56		1	10/15/2024 10:38	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		358	mg/L	1	10/17/2024 12:46	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 12:46	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1940	mg/L	1	10/18/2024 12:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		4.36	mg/L	10	10/16/2024 17:13	R354678
Chloride	NELAP	1.00	5.00		993	mg/L	10	10/16/2024 17:13	R354678
Sulfate	NELAP	3.00	10.0		52.5	mg/L	10	10/16/2024 17:13	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		24.8	mg/L	1	10/18/2024 13:55	229828
Magnesium	NELAP	0.0055	0.0500		15.4	mg/L	1	10/18/2024 13:55	229828
Potassium	NELAP	0.0400	0.100		4.46	mg/L	1	10/18/2024 13:55	229828
Sodium	NELAP	0.180	0.500		603	mg/L	10	10/21/2024 16:41	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0010	mg/L	5	10/29/2024 16:08	230069
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/19/2024 1:45	229828
Barium	NELAP	0.0007	0.0010		0.0369	mg/L	5	10/25/2024 1:24	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 1:45	229828
Boron	NELAP	0.0092	0.0250		2.02	mg/L	5	10/23/2024 21:33	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 18:54	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 1:45	229828
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 1:45	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 1:45	229828
Lithium	*	0.0015	0.0030		0.0799	mg/L	5	10/23/2024 21:33	230069
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/21/2024 18:54	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 21:33	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 1:45	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 16:46	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-034
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-393

Collection Date: 10/15/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.35	ft	1	10/15/2024 10:14	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.5	NTU	1	10/15/2024 10:14	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-258	mV	1	10/15/2024 10:14	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4640	µS/cm	1	10/15/2024 10:14	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.7	°C	1	10/15/2024 10:14	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.31	mg/L	1	10/15/2024 10:14	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		8.09		1	10/15/2024 10:14	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		833	mg/L	1	10/17/2024 11:26	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 11:26	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2830	mg/L	1	10/18/2024 12:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		10.4	mg/L	10	10/16/2024 17:24	R354678
Chloride	NELAP	1.00	5.00		880	mg/L	10	10/16/2024 17:24	R354678
Sulfate	NELAP	3.00	10.0		181	mg/L	10	10/16/2024 17:24	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		6.10	mg/L	1	10/18/2024 13:59	229828
Magnesium	NELAP	0.0055	0.0500		3.69	mg/L	1	10/18/2024 13:59	229828
Potassium	NELAP	0.0400	0.100		3.00	mg/L	1	10/18/2024 13:59	229828
Sodium	NELAP	0.180	0.500		853	mg/L	10	10/21/2024 16:42	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	10/29/2024 16:13	230069
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/19/2024 1:52	229828
Barium	NELAP	0.0007	0.0010		0.0380	mg/L	5	10/25/2024 1:30	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 1:52	229828
Boron	NELAP	0.0092	0.0250		1.86	mg/L	5	10/23/2024 22:22	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 20:18	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 1:52	229828
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 1:52	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 1:52	229828
Lithium	*	0.0015	0.0030		0.0706	mg/L	5	10/23/2024 22:22	230069
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/19/2024 1:52	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 22:22	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 1:52	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 16:48	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-035
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-394

Collection Date: 10/15/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.78	ft	1	10/15/2024 9:29	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		39	NTU	1	10/15/2024 9:29	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-292	mV	1	10/15/2024 9:29	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4340	µS/cm	1	10/15/2024 9:29	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	10/15/2024 9:29	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	10/15/2024 9:29	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.93		1	10/15/2024 9:29	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		677	mg/L	1	10/17/2024 11:36	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 11:36	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2310	mg/L	1	10/18/2024 12:13	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		5.07	mg/L	10	10/16/2024 17:36	R354678
Chloride	NELAP	1.00	5.00		828	mg/L	10	10/16/2024 17:36	R354678
Sulfate	NELAP	3.00	10.0		213	mg/L	10	10/16/2024 17:36	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		8.67	mg/L	1	10/18/2024 14:00	229828
Magnesium	NELAP	0.0055	0.0500		4.40	mg/L	1	10/18/2024 14:00	229828
Potassium	NELAP	0.0400	0.100		2.70	mg/L	1	10/18/2024 14:00	229828
Sodium	NELAP	0.180	0.500		755	mg/L	10	10/21/2024 16:42	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	10/29/2024 16:18	230069
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/19/2024 1:58	229828
Barium	NELAP	0.0007	0.0010		0.0171	mg/L	5	10/25/2024 1:36	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 1:58	229828
Boron	NELAP	0.0092	0.0250		1.80	mg/L	5	10/23/2024 22:28	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 20:24	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 1:58	229828
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 1:58	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 1:58	229828
Lithium	*	0.0015	0.0030		0.0622	mg/L	5	10/23/2024 22:28	230069
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	10/19/2024 1:58	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 22:28	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 1:58	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 16:55	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-038
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: OW-256

Collection Date: 10/15/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.66	ft	1	10/15/2024 11:40	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.3	NTU	1	10/15/2024 11:40	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-73	mV	1	10/15/2024 11:40	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		549	µS/cm	1	10/15/2024 11:40	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.0	°C	1	10/15/2024 11:40	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.91	mg/L	1	10/15/2024 11:40	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.82		1	10/15/2024 11:40	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		293	mg/L	1	10/17/2024 12:24	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 12:24	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		510	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.24	mg/L	10	10/16/2024 17:48	R354678
Chloride	NELAP	1.00	5.00		52.0	mg/L	10	10/16/2024 17:48	R354678
Sulfate	NELAP	3.00	10.0		65.1	mg/L	10	10/16/2024 17:48	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		83.9	mg/L	1	10/18/2024 14:01	229828
Magnesium	NELAP	0.0055	0.0500		33.5	mg/L	1	10/18/2024 14:01	229828
Potassium	NELAP	0.0400	0.100		0.779	mg/L	1	10/18/2024 14:01	229828
Sodium	NELAP	0.0180	0.0500		51.6	mg/L	1	10/21/2024 16:43	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	10/29/2024 16:23	230069
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	10/19/2024 2:04	229828
Barium	NELAP	0.0007	0.0010		0.0805	mg/L	5	10/25/2024 1:41	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 2:04	229828
Boron	NELAP	0.0092	0.0250		0.210	mg/L	5	10/23/2024 22:34	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 21:19	229828
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 2:04	229828
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	10/19/2024 2:04	229828
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 2:04	229828
Lithium	*	0.0015	0.0030		0.0083	mg/L	5	10/23/2024 22:34	230069
Molybdenum	NELAP	0.0006	0.0015	J	0.0011	mg/L	5	10/19/2024 2:04	229828
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 22:34	230069
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 2:04	229828
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 16:57	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-039
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: OW-257

Collection Date: 10/14/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.09	ft	1	10/14/2024 13:06	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.4	NTU	1	10/14/2024 13:06	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-89	mV	1	10/14/2024 13:06	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1960	µS/cm	1	10/14/2024 13:06	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	10/14/2024 13:06	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.25	mg/L	1	10/14/2024 13:06	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.71		1	10/14/2024 13:06	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		518	mg/L	1	10/15/2024 10:02	R354670
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/15/2024 10:02	R354670
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		712	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.30	mg/L	10	10/15/2024 17:23	R354625
Chloride	NELAP	1.00	5.00		7.52	mg/L	10	10/15/2024 17:23	R354625
Sulfate	NELAP	3.00	10.0		104	mg/L	10	10/15/2024 17:23	R354625
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		108	mg/L	1	10/16/2024 13:15	229768
Magnesium	NELAP	0.0055	0.0500		49.7	mg/L	1	10/16/2024 13:15	229768
Potassium	NELAP	0.0400	0.100		3.01	mg/L	1	10/16/2024 13:15	229768
Sodium	NELAP	0.0180	0.0500		84.7	mg/L	1	10/16/2024 13:15	229768
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0015	mg/L	5	11/11/2024 7:50	230147
Arsenic	NELAP	0.0004	0.0010		0.0016	mg/L	5	10/21/2024 17:11	229768
Barium	NELAP	0.0007	0.0010		0.107	mg/L	5	10/21/2024 17:11	229768
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 17:11	229768
Boron	NELAP	0.0092	0.0250		0.595	mg/L	5	10/21/2024 17:11	229768
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 17:11	229768
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	10/21/2024 17:11	229768
Cobalt	NELAP	0.0001	0.0010		0.0032	mg/L	5	10/21/2024 17:11	229768
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	10/17/2024 14:15	229768
Lithium	*	0.0015	0.0030		0.0391	mg/L	5	10/22/2024 8:44	229768
Molybdenum	NELAP	0.0006	0.0015		0.0029	mg/L	5	10/21/2024 17:11	229768
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/21/2024 17:11	229768
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/17/2024 14:15	229768
CCV recovered outside the upper control limits for Be, Cr and Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 17:00	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-040
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: PZ-170

Collection Date: 10/14/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.15	ft	1	10/14/2024 11:44	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	10/14/2024 11:44	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-218	mV	1	10/14/2024 11:44	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2920	µS/cm	1	10/14/2024 11:44	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.0	°C	1	10/14/2024 11:44	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.59	mg/L	1	10/14/2024 11:44	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.49		1	10/14/2024 11:44	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		646	mg/L	1	10/15/2024 10:11	R354670
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/15/2024 10:11	R354670
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1140	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	10/15/2024 17:35	R354625
Chloride	NELAP	1.00	5.00		83.5	mg/L	10	10/15/2024 17:35	R354625
Sulfate	NELAP	3.00	10.0		234	mg/L	10	10/15/2024 17:35	R354625
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		202	mg/L	1	10/16/2024 15:13	229768
Magnesium	NELAP	0.0055	0.0500		82.7	mg/L	1	10/16/2024 15:13	229768
Potassium	NELAP	0.0400	0.100		1.51	mg/L	1	10/16/2024 15:13	229768
Sodium	NELAP	0.0180	0.0500		98.9	mg/L	1	10/16/2024 15:13	229768
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 8:50	229768
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	10/21/2024 17:17	229768
Barium	NELAP	0.0007	0.0010		0.0869	mg/L	5	10/21/2024 17:17	229768
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 17:17	229768
Boron	NELAP	0.0092	0.0250		0.360	mg/L	5	10/21/2024 17:17	229768
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 17:17	229768
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/21/2024 17:17	229768
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	10/21/2024 17:17	229768
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/17/2024 14:21	229768
Lithium	*	0.0015	0.0030		0.0420	mg/L	5	10/22/2024 8:50	229768
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/21/2024 17:17	229768
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/21/2024 17:17	229768
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/17/2024 14:21	229768
<i>LCS recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Be, Cr and Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 17:02	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-044
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: PZ-182

Collection Date: 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.81	ft	1	10/15/2024 10:38	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	10/15/2024 10:38	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-165	mV	1	10/15/2024 10:38	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		898	µS/cm	1	10/15/2024 10:38	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.4	°C	1	10/15/2024 10:38	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	10/15/2024 10:38	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		6.68		1	10/15/2024 10:38	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		388	mg/L	1	10/17/2024 11:46	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2024 11:46	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		700	mg/L	1	10/18/2024 12:25	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	10/16/2024 18:34	R354678
Chloride	NELAP	1.00	5.00		32.5	mg/L	10	10/16/2024 18:34	R354678
Sulfate	NELAP	3.00	10.0		152	mg/L	10	10/16/2024 18:34	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		147	mg/L	1	10/18/2024 15:58	229829
Magnesium	NELAP	0.0055	0.0500		54.7	mg/L	1	10/18/2024 15:58	229829
Potassium	NELAP	0.0400	0.100		0.502	mg/L	1	10/18/2024 15:58	229829
Sodium	NELAP	0.0180	0.0500		40.1	mg/L	1	10/21/2024 13:13	229829
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	10/29/2024 17:19	230069
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	10/23/2024 22:58	230069
Barium	NELAP	0.0007	0.0010		0.0585	mg/L	5	10/25/2024 3:02	230069
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/23/2024 22:58	230069
Boron	NELAP	0.0092	0.0250		0.469	mg/L	5	10/23/2024 22:58	230069
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/21/2024 21:49	229829
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/23/2024 22:58	230069
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	10/21/2024 21:49	229829
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/23/2024 22:58	230069
Lithium	*	0.0015	0.0030		0.0150	mg/L	5	10/23/2024 22:58	230069
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/21/2024 21:49	229829
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/21/2024 21:49	229829
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/21/2024 21:49	229829
CCV recovered outside the upper control limits Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
LCS recovered outside upper control limits for Cd and Se. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 17:11	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-045
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: TPZ-164

Collection Date: 10/17/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.35	ft	1	10/17/2024 12:17	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.1	NTU	1	10/17/2024 12:17	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-92	mV	1	10/17/2024 12:17	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		766	µS/cm	1	10/17/2024 12:17	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.9	°C	1	10/17/2024 12:17	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.97	mg/L	1	10/17/2024 12:17	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.36		1	10/17/2024 12:17	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		242	mg/L	1	10/21/2024 13:06	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 13:06	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		525	mg/L	2.5	10/18/2024 13:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.29	mg/L	10	10/18/2024 10:15	R354816
Chloride	NELAP	1.00	5.00		50.3	mg/L	10	10/18/2024 10:15	R354816
Sulfate	NELAP	3.00	10.0		114	mg/L	10	10/18/2024 10:15	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		59.3	mg/L	1	10/21/2024 10:09	229922
Magnesium	NELAP	0.0055	0.0500		24.2	mg/L	1	10/21/2024 10:09	229922
Potassium	NELAP	0.200	0.500		11.3	mg/L	5	10/22/2024 11:35	229922
Sodium	NELAP	0.0180	0.0500		77.4	mg/L	1	10/21/2024 10:09	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	10/22/2024 12:33	229922
Arsenic	NELAP	0.0004	0.0010		0.0018	mg/L	5	10/22/2024 2:09	229922
Barium	NELAP	0.0007	0.0010		0.0876	mg/L	5	10/22/2024 2:09	229922
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:09	229922
Boron	NELAP	0.0092	0.0250		1.51	mg/L	5	10/22/2024 2:09	229922
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:09	229922
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	10/22/2024 2:09	229922
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	10/22/2024 2:09	229922
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:09	229922
Lithium	*	0.0015	0.0030		0.0122	mg/L	5	10/22/2024 12:33	229922
Molybdenum	NELAP	0.0006	0.0015		0.0194	mg/L	5	10/22/2024 2:09	229922
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:09	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:09	229922
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/22/2024 8:44	229905



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-046
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: XPW01

Collection Date: 10/17/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.78	ft	1	10/17/2024 10:54	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.3	NTU	1	10/17/2024 10:54	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-37	mV	1	10/17/2024 10:54	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		555	µS/cm	1	10/17/2024 10:54	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		19.4	°C	1	10/17/2024 10:54	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.49	mg/L	1	10/17/2024 10:54	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.02		1	10/17/2024 10:54	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		214	mg/L	1	10/21/2024 12:04	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 12:04	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		442	mg/L	1	10/18/2024 13:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.57	mg/L	10	10/18/2024 10:27	R354816
Chloride	NELAP	1.00	5.00		27.9	mg/L	10	10/18/2024 10:27	R354816
Sulfate	NELAP	3.00	10.0		60.4	mg/L	10	10/18/2024 10:27	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		56.4	mg/L	1	10/21/2024 10:36	229922
Magnesium	NELAP	0.0055	0.0500		20.9	mg/L	1	10/21/2024 10:36	229922
Potassium	NELAP	0.200	0.500		10.9	mg/L	5	10/22/2024 11:36	229922
Sodium	NELAP	0.0180	0.0500		39.6	mg/L	1	10/21/2024 10:36	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	10/22/2024 12:40	229922
Arsenic	NELAP	0.0004	0.0010		0.0027	mg/L	5	10/22/2024 2:15	229922
Barium	NELAP	0.0007	0.0010		0.175	mg/L	5	10/22/2024 2:15	229922
Beryllium	NELAP	0.0002	0.0010	J	0.0006	mg/L	5	10/22/2024 2:15	229922
Boron	NELAP	0.0092	0.0250		1.06	mg/L	5	10/22/2024 2:15	229922
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	10/22/2024 2:15	229922
Chromium	NELAP	0.0007	0.0015		0.0168	mg/L	5	10/22/2024 12:40	229922
Cobalt	NELAP	0.0001	0.0010		0.0045	mg/L	5	10/22/2024 2:15	229922
Lead	NELAP	0.0006	0.0010		0.0031	mg/L	5	10/23/2024 16:57	229922
Lithium	*	0.0015	0.0030		0.0187	mg/L	5	10/22/2024 12:40	229922
Molybdenum	NELAP	0.0006	0.0015		0.0364	mg/L	5	10/22/2024 2:15	229922
Selenium	NELAP	0.0006	0.0010		0.0119	mg/L	5	10/22/2024 12:40	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:15	229922
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/21/2024 16:22	229905



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-047
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: XPW05

Collection Date: 10/17/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.94	ft	1	10/17/2024 11:31	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.0	NTU	1	10/17/2024 11:31	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-131	mV	1	10/17/2024 11:31	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		699	µS/cm	1	10/17/2024 11:31	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.5	°C	1	10/17/2024 11:31	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.27	mg/L	1	10/17/2024 11:31	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.67		1	10/17/2024 11:31	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		257	mg/L	1	10/21/2024 12:53	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 12:53	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		580	mg/L	2.5	10/18/2024 13:15	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.59	mg/L	10	10/18/2024 11:02	R354816
Chloride	NELAP	1.00	5.00		48.6	mg/L	10	10/18/2024 11:02	R354816
Sulfate	NELAP	3.00	10.0		103	mg/L	10	10/18/2024 11:02	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		61.3	mg/L	1	10/21/2024 10:38	229922
Magnesium	NELAP	0.0055	0.0500		25.3	mg/L	1	10/21/2024 10:38	229922
Potassium	NELAP	0.0400	0.100		8.07	mg/L	1	10/21/2024 10:38	229922
Sodium	NELAP	0.0180	0.0500		86.5	mg/L	1	10/21/2024 10:38	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 12:46	229922
Arsenic	NELAP	0.0004	0.0010		0.0162	mg/L	5	10/22/2024 2:21	229922
Barium	NELAP	0.0007	0.0010		0.410	mg/L	5	10/22/2024 2:21	229922
Beryllium	NELAP	0.0002	0.0010	J	0.0003	mg/L	5	10/22/2024 2:21	229922
Boron	NELAP	0.0092	0.0250		0.719	mg/L	5	10/22/2024 2:21	229922
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	10/22/2024 2:21	229922
Chromium	NELAP	0.0007	0.0015		0.0067	mg/L	5	10/22/2024 12:46	229922
Cobalt	NELAP	0.0001	0.0010		0.0016	mg/L	5	10/22/2024 2:21	229922
Lead	NELAP	0.0006	0.0010		0.0020	mg/L	5	10/23/2024 17:03	229922
Lithium	*	0.0015	0.0030		0.0070	mg/L	5	10/22/2024 12:46	229922
Molybdenum	NELAP	0.0006	0.0015		0.0095	mg/L	5	10/22/2024 2:21	229922
Selenium	NELAP	0.0006	0.0010		0.0032	mg/L	5	10/22/2024 12:46	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:21	229922
Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/21/2024 18:32	229905



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-048
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: XPW06

Collection Date: 10/17/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.54	ft	1	10/17/2024 10:18	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.8	NTU	1	10/17/2024 10:18	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-105	mV	1	10/17/2024 10:18	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		820	µS/cm	1	10/17/2024 10:18	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.7	°C	1	10/17/2024 10:18	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.60	mg/L	1	10/17/2024 10:18	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.36		1	10/17/2024 10:18	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		335	mg/L	1	10/21/2024 12:19	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 12:19	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		565	mg/L	2.5	10/23/2024 9:16	R355153
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.61	mg/L	10	10/18/2024 11:14	R354816
Chloride	NELAP	1.0	5.0	J	4.9	mg/L	10	10/18/2024 11:14	R354816
Sulfate	NELAP	3.00	10.0		157	mg/L	10	10/18/2024 11:14	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		96.2	mg/L	1	10/21/2024 10:39	229922
Magnesium	NELAP	0.0055	0.0500		28.4	mg/L	1	10/21/2024 10:39	229922
Potassium	NELAP	0.400	1.00		19.9	mg/L	10	10/22/2024 11:38	229922
Sodium	NELAP	0.0180	0.0500		75.0	mg/L	1	10/21/2024 10:39	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/23/2024 18:35	229922
Arsenic	NELAP	0.0004	0.0010		0.0156	mg/L	5	10/22/2024 2:27	229922
Barium	NELAP	0.0007	0.0010		0.236	mg/L	5	10/22/2024 2:27	229922
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:27	229922
Boron	NELAP	0.0092	0.0250		4.16	mg/L	5	10/22/2024 2:27	229922
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:27	229922
Chromium	NELAP	0.0007	0.0015		0.0022	mg/L	5	10/22/2024 14:34	229922
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	10/22/2024 2:27	229922
Lead	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	10/22/2024 2:27	229922
Lithium	*	0.0015	0.0030		0.0078	mg/L	5	10/22/2024 14:34	229922
Molybdenum	NELAP	0.0006	0.0015		0.0384	mg/L	5	10/22/2024 2:27	229922
Selenium	NELAP	0.0006	0.0010		0.0021	mg/L	5	10/22/2024 14:34	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:27	229922
Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/21/2024 18:34	229905



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-049
Matrix: AQUEOUS

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: Field Blank

Collection Date: 10/17/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 13:04	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 13:04	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	10/18/2024 13:26	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	10/18/2024 11:25	R354816
Chloride	NELAP	1.00	5.00		ND	mg/L	10	10/18/2024 11:25	R354816
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	10/18/2024 11:25	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	10/21/2024 11:11	229922
Magnesium	NELAP	0.0055	0.050	J	0.0067	mg/L	1	10/21/2024 11:11	229922
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	10/21/2024 11:11	229922
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	10/21/2024 11:11	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 12:52	229922
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Boron	NELAP	0.0092	0.0250		0.0292	mg/L	5	10/22/2024 2:34	229922
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/22/2024 2:34	229922
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	10/22/2024 2:34	229922
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/22/2024 2:34	229922
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:34	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:34	229922
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/21/2024 18:37	229905



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-050
Matrix: GROUNDWATER

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: MW-304 Duplicate
Collection Date: 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.54	ft	1	10/16/2024 9:33	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.3	NTU	1	10/16/2024 9:33	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-32	mV	1	10/16/2024 9:33	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2540	µS/cm	1	10/16/2024 9:33	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	10/16/2024 9:33	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.24	mg/L	1	10/16/2024 9:33	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		7.54		1	10/16/2024 9:33	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		800	mg/L	1	10/18/2024 12:50	R354869
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2024 12:50	R354869
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1390	mg/L	1	10/18/2024 13:38	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.82	mg/L	10	10/17/2024 11:13	R354743
Chloride	NELAP	1.00	5.00		169	mg/L	10	10/17/2024 11:13	R354743
Sulfate	NELAP	3.00	10.0		190	mg/L	10	10/17/2024 11:13	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		12.4	mg/L	1	10/18/2024 13:33	229864
Magnesium	NELAP	0.0055	0.0500		4.89	mg/L	1	10/18/2024 13:33	229864
Potassium	NELAP	0.0400	0.100		2.48	mg/L	1	10/18/2024 13:33	229864
Sodium	NELAP	0.0180	0.0500		572	mg/L	1	10/18/2024 13:33	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 11:39	229864
Arsenic	NELAP	0.0004	0.0010		0.0032	mg/L	5	10/19/2024 6:12	229864
Barium	NELAP	0.0007	0.0010		0.0238	mg/L	5	10/19/2024 6:12	229864
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 6:12	229864
Boron	NELAP	0.0092	0.0250		1.83	mg/L	5	10/22/2024 1:09	229864
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/19/2024 6:12	229864
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/19/2024 6:12	229864
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/19/2024 6:12	229864
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 6:12	229864
Lithium	*	0.0015	0.0030		0.0785	mg/L	5	10/22/2024 11:39	229864
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	10/19/2024 6:12	229864
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/19/2024 6:12	229864
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/19/2024 6:12	229864
Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
CCV recovered outside the upper control limits for Be, Se and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/18/2024 17:13	229870



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100001-052
Matrix: AQUEOUS

Work Order: 24100001
Report Date: 06-Dec-24

Client Sample ID: Equipment Blank 1
Collection Date: 10/17/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		12	mg/L	1	10/21/2024 13:00	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/21/2024 13:00	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		20	mg/L	1	10/18/2024 13:26	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	10/18/2024 11:37	R354816
Chloride	NELAP	1.00	5.00		ND	mg/L	10	10/18/2024 11:37	R354816
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	10/18/2024 11:37	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	10/21/2024 11:13	229922
Magnesium	NELAP	0.0055	0.050	J	0.0062	mg/L	1	10/21/2024 11:13	229922
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	10/21/2024 11:13	229922
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	10/21/2024 11:13	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/23/2024 18:41	229922
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Boron	NELAP	0.0092	0.0250		< 0.0250	mg/L	5	10/22/2024 2:40	229922
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	10/22/2024 2:40	229922
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	10/22/2024 2:40	229922
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	10/22/2024 2:40	229922
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	10/22/2024 2:40	229922
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	10/22/2024 2:40	229922
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	10/21/2024 18:39	229905



Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100001
Report Date: 06-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100001-009	MW-192	Groundwater	2	10/15/2024 10:58
24100001-010	MW-193	Groundwater	2	10/15/2024 9:54
24100001-017	MW-304	Groundwater	4	10/16/2024 9:33
24100001-021	MW-356	Groundwater	2	10/16/2024 14:26
24100001-022	MW-358R	Groundwater	3	11/01/2024 11:28
24100001-024	MW-369	Groundwater	2	10/15/2024 11:25
24100001-025	MW-370	Groundwater	2	10/15/2024 13:56
24100001-028	MW-382	Groundwater	2	10/15/2024 13:32
24100001-033	MW-392	Groundwater	2	10/15/2024 10:38
24100001-034	MW-393	Groundwater	2	10/15/2024 10:14
24100001-035	MW-394	Groundwater	2	10/15/2024 9:29
24100001-038	OW-256	Groundwater	2	10/15/2024 11:40
24100001-039	OW-257	Groundwater	2	10/14/2024 13:06
24100001-040	PZ-170	Groundwater	2	10/14/2024 11:44
24100001-044	PZ-182	Groundwater	2	10/15/2024 10:38
24100001-045	TPZ-164	Groundwater	2	10/17/2024 12:17
24100001-046	XPW01	Groundwater	2	10/17/2024 10:54
24100001-047	XPW05	Groundwater	2	10/17/2024 11:31
24100001-048	XPW06	Groundwater	2	10/17/2024 10:18
24100001-049	Field Blank	Aqueous	4	10/17/2024 13:08
24100001-050	MW-304 Duplicate	Groundwater	4	10/16/2024 9:33
24100001-052	Equipment Blank 1	Aqueous	4	10/17/2024 13:31



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	10/17/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	10/14/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	10/15/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2- BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	11/01/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.7	90	110	10/15/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	10/16/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	10/16/2024	

Batch R354883		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	10/17/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW-846 9040B FIELD

Batch R354883		SampType: LCS		Units							
SampID: LCS-1-BG											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	10/17/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	10/14/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-1-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	10/15/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-2- BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	11/01/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-2-JC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	10/15/2024

Batch R354883		SampType: LCS		Units							
SampID: LCS-2-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4	10/16/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	10/16/2024	

Batch R354883		SampType: LCS		Units							
SampID: LCS-3-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	10/17/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch	R354960	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/18/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/18/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/18/2024	

Batch	R354960	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		944	1000	0	94.4	90	110	10/18/2024	
Total Dissolved Solids		20		926	1000	0	92.6	90	110	10/18/2024	
Total Dissolved Solids		20		980	1000	0	98.0	90	110	10/18/2024	

Batch R354960		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24100001-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		612				616.0	0.65	10/18/2024

Batch R354960		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24100001-042ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		628				658.0	4.67	10/18/2024

Batch R354960		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24100001-047ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		535				580.0	8.07	10/18/2024

Batch	R355026	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	10/21/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	10/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355026		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		970	1000	0	97.0	90	110	10/21/2024
Total Dissolved Solids		20		984	1000	0	98.4	90	110	10/21/2024

Batch R355026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101461-004BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		654				660.0	0.91	10/21/2024

Batch R355026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101563-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		400				435.0	8.38	10/21/2024

Batch R355026		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101587-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		520				510.0	1.94	10/21/2024

Batch R355153		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/23/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/23/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/23/2024

Batch R355153	SampType: LCS	Units mg/L								
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		974	1000	0	97.4	90	110	10/23/2024
Total Dissolved Solids		20		1010	1000	0	100.6	90	110	10/23/2024
Total Dissolved Solids		20		1010	1000	0	100.6	90	110	10/23/2024

Batch R355153		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24101717-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1740				1706	1.97	10/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355153		SampType: DUP		Units mg/L				RPD Limit 10		
SampID: 24101735-001ADUP										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		5480				5280	3.72	10/23/2024

Batch R355153		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101822-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		406				414.0	1.95	10/23/2024

Batch R355895		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/07/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/07/2024

Batch R355895		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		984	1000	0	98.4	90	110	11/07/2024
Total Dissolved Solids		20		1010	1000	0	100.6	90	110	11/07/2024

Batch R355895		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-081ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1830				1828	0.11	11/07/2024

Batch R355895		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24102207-021ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1150				1210	5.08	11/07/2024

Batch R356859		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/26/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/26/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356859		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		902	1000	0	90.2	90	110	11/26/2024
Total Dissolved Solids		20		998	1000	0	99.8	90	110	11/26/2024

Batch R356859		SampType: DUP		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24111142-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			50	H	410				450.0	9.30	11/26/2024	

Batch R356859		SampType: DUP		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24111493-007ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			100	H	10700				10320	3.24	11/26/2024	

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354571		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/14/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/14/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/14/2024	

Batch R354571		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.8	90	110	10/14/2024	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	103.4	90	110	10/14/2024	
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	101.1	90	110	10/14/2024	

Batch R354571		SampType: MS		Units mg/L							
SampID: 24101251-002AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0.03100	93.0	85	115	10/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354571		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101251-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0.03100	93.2	0.4960	0.20	10/14/2024

Batch R354571		SampType: MS		Units mg/L							
SampID: 24101261-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0.05200	95.4	85	115	10/14/2024	

Batch R354571		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101261-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.53	0.5000	0.05200	95.4	0.5290	0.00	10/14/2024

Batch R354718	SampType: MBLK	Units mg/L								
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/16/2024

Batch R354718	SampType: LCS	Units mg/L								
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	97.2	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	10/16/2024

Batch R354718		SampType: MS		Units mg/L							Date Analyzed	
SampID: 24101461-001BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05	H	0.51	0.5000	0.01800	98.6	85	115	10/16/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354718		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101461-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.51	0.5000	0.01800	97.6	0.5110	0.98	10/16/2024

Batch R354718		SampType: MS		Units mg/L							
SampID: 24101469-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05	S	0.13	0.5000	0	26.2	85	115	10/16/2024	

Batch R354718		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101469-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	S	0.12	0.5000	0	24.2	0.1310	7.94	10/16/2024

Batch R354718		SampType: MS		Units mg/L							
SampID: 24101500-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.008000	97.6	85	115	10/16/2024	

Batch R354718		SampType: MSD		Units mg/L				RPD Limit 10		
SampID: 24101500-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.008000	98.8	0.4960	1.20	10/16/2024

Batch	R354799	SampType:	MBLK	Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/17/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/17/2024	

Batch	R354799	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	98.2	90	110	10/17/2024	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	10/17/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354799		SampType: MS		Units mg/L						
SampID: 24100001-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.0	85	115	10/17/2024

Batch R354799		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24100001-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	97.2	0.4900	0.82	10/17/2024

Batch R354799		SampType: MS		Units mg/L							
SampID: 24100001-015AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.4	85	115	10/17/2024	

Batch R354799		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24100001-015AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	97.0	0.4820	0.62	10/17/2024

Batch R354799		SampType: MS		Units mg/L							
SampID: 24101637-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.0	85	115	10/17/2024	

Batch R354799		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101637-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	99.4	0.5000	0.60	10/17/2024

Batch R354799		SampType: MS		Units mg/L							
SampID: 24101637-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.4	85	115	10/17/2024	

Batch R354799		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24101637-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.8	0.4970	1.40	10/17/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354799		SampType: MS		Units mg/L						
SampID: 24101695-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.005000	98.2	85	115	10/17/2024

Batch R354799		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101695-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0.005000	97.8	0.4960	0.40	10/17/2024

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354637		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						10/14/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/14/2024	

Batch R354637		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.540	0.5000	0	108.0	90	110	10/14/2024	

Batch R354637		SampType: MS		Units mg/L							
SampID: 24101036-004AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		30.6	12.50	18.54	96.7	90	110	10/14/2024	

Batch R354637		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24101036-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			2.50		32.0	12.50	18.54	107.6	30.63	4.33	10/14/2024

Batch R354637		SampType: MS		Units mg/L							
SampID: 24101179-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.2	5.000	5.223	99.2	90	110	10/14/2024	



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354637		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 24101179-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			1.00		10.6	5.000	5.223	106.7	10.19	3.59	10/14/2024

Batch R354637		SampType: MS		Units mg/L							
SampID: 24101251-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		5.00		54.1	25.00	29.16	99.6	90	110	10/14/2024	

Batch R354637		SampType: MSD		Units mg/L		RPD Limit 10					
SampID: 24101251-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			5.00		55.4	25.00	29.16	105.1	54.05	2.54	10/14/2024

Batch R354747		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						10/16/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/16/2024	

Batch R354747		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.513	0.5000	0	102.6	90	110	10/16/2024

Batch R354747		SampType: MS		Units mg/L							
SampID: 24101160-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.250		1.73	1.250	0.5190	96.9	90	110	10/16/2024	

Batch R354747		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101160-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.250		1.73	1.250	0.5190	97.0	1.730	0.06	10/16/2024



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354747 SampType: MS Units mg/L

SampID: 24101453-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.47	0.5000	1.005	93.0	90	110	10/16/2024

Batch R354747 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24101453-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.53	0.5000	1.005	105.4	1.470	4.13	10/16/2024

Batch R354747 SampType: MS Units mg/L

SampID: 24101500-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		33.8	12.50	21.68	97.4	90	110	10/16/2024

Batch R354747 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24101500-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		34.4	12.50	21.68	101.7	33.85	1.59	10/16/2024

Batch R354821 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						10/17/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/17/2024

Batch R354821 SampType: LCS Units mg/L

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.520	0.5000	0	104.0	90	110	10/17/2024

Batch R354821 SampType: MS Units mg/L

SampID: 24101550-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.8	12.50	14.52	106.0	90	110	10/17/2024



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354821		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101550-002BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			2.50		26.8	12.50	14.52	98.0	27.77	3.68	10/17/2024

Batch R354821		SampType: MS		Units mg/L							
SampID: 24101563-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.235	0.2500	0	94.0	85	115	10/17/2024	

Batch R354821		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24101563-001AMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.243	0.2500	0	97.2	0.2350	3.35	10/17/2024

Batch R354821		SampType: MS		Units mg/L							
SampID: 24101587-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.230	0.2500	0	92.0	85	115	10/17/2024	

Batch R354821		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24101587-001AMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.226	0.2500	0	90.4	0.2300	1.75	10/17/2024

Batch R354821		SampType: MS		Units mg/L							
SampID: 24101654-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		32.9	12.50	20.97	95.4	90	110	10/17/2024	

Batch R354821		SampType:	MSD		Units mg/L			RPD Limit 10			
SampID: 24101654-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		33.8	12.50	20.97	102.8	32.90	2.79	10/17/2024

Batch R354821		SampType: MS		Units mg/L							
SampID: 24101680-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		34.5	12.50	22.10	99.4	90	110	10/17/2024	



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

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STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354821		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101680-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		34.2	12.50	22.10	96.5	34.52	1.04	10/17/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625		SampType: MS		Units mg/L						
SampID: 24100001-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		218	200.0	15.42	101.4	80	120	10/15/2024
Sulfate		10.0		253	200.0	64.50	94.3	80	120	10/15/2024

Batch	R354625	SampType:	MSD	Units					mg/L	RPD Limit			15
SampleID: 24100001-008BMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride			5.00		218	200.0	15.42	101.4	218.2	0.03	10/15/2024		
Sulfate			10.0		253	200.0	64.50	94.4	253.2	0.09	10/15/2024		

Batch	R354678	SampType:	MS	Units							mg/L
SampID: 24100001-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		5.00		256	200.0	46.36	104.9	80	120	10/16/2024	
Sulfate		10.0		1080	200.0	870.3	105.0	80	120	10/16/2024	

Batch	R354678	SampType:	MSD	Units mg/L						RPD Limit 15	
SampID: 24100001-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		5.00		253	200.0	46.36	103.5	256.2	1.08	10/16/2024	
Sulfate		10.0		1070	200.0	870.3	101.8	1080	0.59	10/16/2024	

Batch R354678		SampType: MS		Units mg/L							
SampleID: 24100001-018BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Chloride			5.00		219	200.0	17.52	100.6	80	120	10/16/2024
Sulfate			10.0		201	200.0	16.52	92.2	80	120	10/16/2024



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24100001-018BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		219	200.0	17.52	100.6	218.6	0.04	10/16/2024
Sulfate		10.0		201	200.0	16.52	92.2	200.9	0.01	10/16/2024

Batch R354678		SampType: MS		Units mg/L						
SampID: 24101461-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		214	200.0	11.10	101.6	80	120	10/16/2024
Sulfate		10.0		187	200.0	0	93.6	80	120	10/16/2024

Batch R354678		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101461-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		216	200.0	11.10	102.6	214.2	0.93	10/16/2024
Sulfate			10.0		189	200.0	0	94.5	187.1	1.04	10/16/2024

Batch R354678		SampType: MS		Units mg/L						
SampID: 24101461-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		272	200.0	59.10	106.5	80	120	10/16/2024
Sulfate		10.0		275	200.0	83.27	96.0	80	120	10/16/2024

Batch R354678		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101461-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		272	200.0	59.10	106.4	272.0	0.07	10/16/2024
Sulfate			10.0		275	200.0	83.27	95.9	275.3	0.08	10/16/2024

Batch R354743		SampType: MS		Units mg/L						
SampID: 24100001-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		258	200.0	49.43	104.5	80	120	10/17/2024
Sulfate		10.0		306	200.0	113.9	96.1	80	120	10/17/2024



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

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SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 24100001-004BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		260	200.0	49.43	105.2	258.4	0.53	10/17/2024
Sulfate		10.0		306	200.0	113.9	96.3	306.2	0.10	10/17/2024

Batch R354743		SampType: MS		Units mg/L						
SampID: 24100001-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		268	200.0	55.59	106.2	80	120	10/17/2024
Sulfate		10.0		1190	200.0	985.9	103.8	80	120	10/17/2024

Batch R354743		SampType: MSD		Units mg/L				RPD Limit 15			
SampleID: 24100001-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		267	200.0	55.59	105.8	268.0	0.32	10/17/2024
Sulfate			10.0		1190	200.0	985.9	101.8	1193	0.34	10/17/2024

Batch R354816		SampType: MS		Units mg/L						
SampID: 24101637-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		233	200.0	26.57	103.3	80	120	10/18/2024
Sulfate		10.0		207	200.0	18.73	94.1	80	120	10/18/2024

Batch R354816		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101637-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		233	200.0	26.57	103.4	233.1	0.15	10/18/2024
Sulfate			10.0		207	200.0	18.73	94.3	207.0	0.15	10/18/2024

Batch R354943		SampType: MS		Units mg/L						
SampID: 24101820-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		237	200.0	27.40	105.0	80	120	10/22/2024
Sulfate		10.0		345	200.0	150.5	97.4	80	120	10/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101820-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		237	200.0	27.40	105.0	237.5	0.00	10/22/2024
Sulfate		10.0		344	200.0	150.5	97.0	345.2	0.23	10/22/2024

Batch R354943		SampType: MS		Units mg/L						
SampID: 24101820-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		208	200.0	2.372	103.0	80	120	10/22/2024
Sulfate		10.0		385	200.0	186.7	99.4	80	120	10/22/2024

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15			
SampleID: 24101820-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		209	200.0	2.372	103.2	208.4	0.20	10/22/2024
Sulfate			10.0		385	200.0	186.7	99.0	385.4	0.17	10/22/2024

Batch R354943		SampType: MS		Units mg/L						
SampID: 24101820-009BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		294	200.0	77.01	108.7	80	120	10/22/2024
Sulfate		10.0		285	200.0	90.80	96.9	80	120	10/22/2024

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101820-009BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		295	200.0	77.01	108.9	294.3	0.18	10/22/2024
Sulfate			10.0		285	200.0	90.80	97.2	284.6	0.23	10/22/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24101589-030BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		267	200.0	51.45	108.0	80	120	11/06/2024
Sulfate		10.0		278	200.0	85.79	96.2	80	120	11/06/2024



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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-030BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		5.00		267	200.0	51.45	107.6	267.5	0.35	11/06/2024	
Sulfate		10.0		277	200.0	85.79	95.6	278.2	0.42	11/06/2024	

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						10/15/2024	
Chloride		0.50		ND						10/15/2024	
Sulfate		1.00		ND						10/15/2024	

Batch R354625		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.99	1.000	0	99.5	90	110	10/15/2024
Chloride		0.50		20.1	20.00	0	100.5	90	110	10/15/2024
Sulfate		1.00		18.6	20.00	0	93.1	90	110	10/15/2024

Batch R354625		SampType: MS		Units mg/L						
SampID: 24100001-029AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	0.6920	99.8	80	120	10/15/2024
Chloride		5.00		248	200.0	40.95	103.6	80	120	10/15/2024
Sulfate		10.0		353	200.0	159.9	96.7	80	120	10/15/2024

Batch R354625		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-029AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.7	10.00	0.6920	100.4	10.68	0.52	10/15/2024
Chloride			5.00		249	200.0	40.95	104.1	248.2	0.35	10/15/2024
Sulfate			10.0		353	200.0	159.9	96.7	353.3	0.01	10/15/2024



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Client: Ramboll

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625		SampType: MS		Units mg/L						
SampID: 24101303-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		50.0		8020	2000	5939	104.1	80	120	10/15/2024
Sulfate		100		2000	2000	141.6	93.2	80	120	10/15/2024

Batch R354625		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24101303-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			50.0		8080	2000	5939	106.9	8020	0.72	10/15/2024
Sulfate			100		2010	2000	141.6	93.5	2005	0.36	10/15/2024

Batch R354625		SampType: MS		Units mg/L						
SampID: 24101337-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.20		4.25	4.000	0.2264	100.5	80	120	10/16/2024
Chloride		2.00		98.6	80.00	15.56	103.8	80	120	10/16/2024
Sulfate		4.00		142	80.00	64.92	96.7	80	120	10/16/2024

Batch R354625		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101337-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.20		4.26	4.000	0.2264	100.7	4.247	0.21	10/16/2024
Chloride		2.00		98.9	80.00	15.56	104.2	98.61	0.30	10/16/2024
Sulfate		4.00		143	80.00	64.92	97.3	142.3	0.31	10/16/2024

Batch R354625		SampType: MS		Units mg/L						
SampID: 24101337-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.20		4.78	4.000	0.6580	103.0	80	120	10/16/2024
Chloride		2.00		92.7	80.00	10.61	102.6	80	120	10/16/2024
Sulfate		4.00		264	80.00	183.2	101.3	80	120	10/16/2024

Batch R354625		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101337-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.20		4.80	4.000	0.6580	103.6	4.780	0.48	10/16/2024
Chloride		2.00		93.1	80.00	10.61	103.1	92.68	0.46	10/16/2024
Sulfate		4.00		266	80.00	183.2	103.7	264.2	0.74	10/16/2024



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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.05		ND						10/16/2024	
Chloride		0.50		ND						10/16/2024	
Sulfate		1.00		ND						10/16/2024	

Batch R354678		SampType: LCS		Units mg/L							
SampID: LCS/ICV/QCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.05		1.02	1.000	0	102.3	90	110	10/16/2024	
Chloride		0.50		20.1	20.00	0	100.7	90	110	10/16/2024	
Sulfate		1.00		18.6	20.00	0	93.1	90	110	10/16/2024	

Batch R354678		SampType: MS		Units mg/L						
SampID: 24100001-023AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.2900	101.5	80	120	10/16/2024
Chloride		5.00		264	200.0	56.59	103.6	80	120	10/16/2024
Sulfate		10.0		1040	200.0	838.3	102.0	80	120	10/16/2024

Batch R354678		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-023AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.5	10.00	0.2900	101.9	10.44	0.34	10/16/2024
Chloride			5.00		263	200.0	56.59	103.4	263.8	0.12	10/16/2024
Sulfate			10.0		1040	200.0	838.3	101.4	1042	0.12	10/16/2024

Batch R354678		SampType: MS		Units mg/L							
SampID: 24100001-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		13.4	10.00	3.142	102.4	80	120	10/16/2024	
Sulfate		10.0		441	200.0	251.7	94.8	80	120	10/16/2024	

Batch R354678		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 24100001-025AMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.50		13.4	10.00	3.142	102.8	13.39	0.25	10/16/2024	
Sulfate			10.0		444	200.0	251.7	95.9	441.2	0.51	10/16/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678		SampType: MS		Units mg/L							Date
SampID: 24101461-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		10.9	10.00	0.4270	104.5	80	120	10/16/2024	

Batch R354678		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24101461-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.50		11.0	10.00	0.4270	105.7	10.88	1.12	10/16/2024		

Batch R354678		SampType: MS		Units mg/L							Date
SampID: 24101461-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		10.9	10.00	0.3760	105.4	80	120	10/16/2024	

Batch R354678		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24101461-002BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.50		10.9	10.00	0.3760	105.4	10.91	0.00	10/16/2024		

Batch R354743		SampType: MBLK		Units mg/L							Date
SampID: MBLK/ICB											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND						10/17/2024	
Chloride		0.50		ND						10/17/2024	
Sulfate		1.00		ND						10/17/2024	

Batch R354743		SampType: LCS		Units mg/L							Date
SampID: LCS/ICV/QCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		1.06	1.000	0	105.8	90	110	10/17/2024	
Chloride		0.50		20.1	20.00	0	100.3	90	110	10/17/2024	
Sulfate		1.00		18.6	20.00	0	93.0	90	110	10/17/2024	

Batch R354743		SampType: MS		Units mg/L							Date
SampID: 24100001-025AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		10.0		1920	400.0	1521	100.6	80	120	10/17/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24100001-025AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		10.0		1920	400.0	1521	100.3	1924	0.06	10/17/2024	

Batch R354743		SampType: MS		Units mg/L						
SampID: 24101508-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.5	10.00	0.6470	108.9	80	120	10/17/2024
Chloride		5.00		284	200.0	71.97	106.0	80	120	10/17/2024
Sulfate		10.0		398	200.0	203.2	97.3	80	120	10/17/2024

Batch R354743		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101508-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.5	10.00	0.6470	108.7	11.53	0.16	10/17/2024
Chloride			5.00		285	200.0	71.97	106.3	284.0	0.22	10/17/2024
Sulfate			10.0		399	200.0	203.2	97.8	397.8	0.25	10/17/2024

Batch R354743		SampType: MS		Units mg/L						
SampID: 24101563-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.2	10.00	0.3540	108.8	80	120	10/17/2024
Chloride		5.00		282	200.0	69.17	106.4	80	120	10/17/2024
Sulfate		10.0		218	200.0	28.07	94.8	80	120	10/17/2024

Batch R354743		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101563-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		11.3	10.00	0.3540	109.5	11.23	0.61	10/17/2024
Chloride		5.00		283	200.0	69.17	106.7	281.9	0.25	10/17/2024
Sulfate		10.0		218	200.0	28.07	94.9	217.6	0.13	10/17/2024

Batch R354743		SampType: MS		Units mg/L						
SampID: 24101587-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.2	10.00	0.2750	109.1	80	120	10/17/2024
Chloride		5.00		331	200.0	112.8	109.3	80	120	10/17/2024
Sulfate		10.0		255	200.0	62.86	96.0	80	120	10/17/2024



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Client: Ramboll

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Client Project: BAL-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101587-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		11.2	10.00	0.2750	109.3	11.19	0.13	10/17/2024	
Chloride		5.00		331	200.0	112.8	109.1	331.4	0.12	10/17/2024	
Sulfate		10.0		255	200.0	62.86	96.1	254.8	0.05	10/17/2024	

Batch R354816		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						10/18/2024	
Chloride		0.50		ND						10/18/2024	
Sulfate		1.00		ND						10/18/2024	

Batch R354816		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		1.10	1.000	0	109.5	90	110	10/18/2024
Chloride		0.50		20.2	20.00	0	101.2	90	110	10/18/2024
Sulfate		1.00		18.8	20.00	0	93.8	90	110	10/18/2024

Batch R354816		SampType: MS		Units mg/L							
SampID: 24100001-046AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		11.4	10.00	0.5720	108.3	80	120	10/18/2024	
Chloride		5.00		232	200.0	27.86	101.9	80	120	10/18/2024	
Sulfate		10.0		248	200.0	60.39	93.6	80	120	10/18/2024	

Batch R354816		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24100001-046AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		11.5	10.00	0.5720	109.0	11.40	0.59	10/18/2024
Chloride		5.00		234	200.0	27.86	103.1	231.6	1.03	10/18/2024
Sulfate		10.0		250	200.0	60.39	94.8	247.6	0.95	10/18/2024



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Batch R354816		SampType: MS		Units mg/L						
SampleID: 24101635-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		326	200.0	109.6	108.5	80	120	10/18/2024
Sulfate		10.0		420	200.0	223.5	98.4	80	120	10/18/2024

Batch R354816		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101635-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		5.00		327	200.0	109.6	108.5	326.5	0.02	10/18/2024	
Sulfate		10.0		420	200.0	223.5	98.1	420.2	0.11	10/18/2024	

Batch R354816		SampType: MS		Units mg/L						
SampID: 24101635-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.3	10.00	0.3640	109.6	80	120	10/18/2024
Chloride		5.00		289	200.0	76.94	106.2	80	120	10/18/2024
Sulfate		10.0		223	200.0	34.39	94.2	80	120	10/18/2024

Batch R354816		SampType: MSD		Units mg/L					RPD Limit 15		
SampleID: 24101635-003AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		11.4	10.00	0.3640	109.9	11.32	0.33	10/18/2024
Chloride			5.00		288	200.0	76.94	105.8	289.2	0.26	10/18/2024
Sulfate			10.0		223	200.0	34.39	94.1	222.8	0.09	10/18/2024

Batch R354816		SampType: MS		Units mg/L							
SampID: 24101637-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		11.4	10.00	0.3650	110.1	80	120	10/18/2024	

Batch R354816		SampType: MSD		Units mg/L				RPD Limit 15			
SampleID: 24101637-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.4	10.00	0.3650	110.8	11.37	0.62	10/18/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943		SampType: MBLK		Units mg/L								Date
SampID: MBLK/ICB												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.05		ND								
Chloride		0.50		ND								
Sulfate		1.00		ND								

Batch R354943		SampType: MBLK		Units mg/L								Date
SampID: MBLK-229898												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride	*	0.05		ND								
Chloride	*	0.50	J	0.12								
Sulfate	*	1.00		ND								

Batch R354943		SampType: LCS		Units mg/L								Date
SampID: LCS/ICV/QCS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.05		1.00	1.000	0	100.1	90	110			
Chloride		0.50		20.5	20.00	0	102.4	90	110			
Sulfate		1.00		18.8	20.00	0	93.8	90	110			

Batch R354943		SampType: MS		Units mg/L								Date
SampID: 24101635-001AMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.50		10.7	10.00	0.5190	101.5	80	120			

Batch R354943		SampType: MSD		Units mg/L								RPD Limit 15	Date
SampID: 24101635-001AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Fluoride		0.50		10.7	10.00	0.5190	102.1	10.67	0.54				

Batch R354943		SampType: MS		Units mg/L								Date
SampID: 24101651-001AMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.50		10.5	10.00	0.5210	99.8	80	120			
Chloride		5.00		209	200.0	3.787	102.6	80	120			
Sulfate		10.0		1170	200.0	960.2	102.9	80	120			



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101651-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.6	10.00	0.5210	100.5	10.50	0.66	10/23/2024
Chloride		5.00		210	200.0	3.787	103.0	208.9	0.44	10/23/2024
Sulfate		10.0		1170	200.0	960.2	103.2	1166	0.05	10/23/2024

Batch R354943		SampType: MS		Units mg/L							Date Analyzed
SampID: 24101819-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		10.1	10.00	0	100.6	80	120	10/23/2024	
Chloride		5.00		212	200.0	6.510	102.9	80	120	10/23/2024	
Sulfate		10.0		279	200.0	84.81	97.0	80	120	10/23/2024	

Batch R354943		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101819-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.1	10.00	0	100.7	10.06	0.12	10/23/2024
Chloride			5.00		212	200.0	6.510	103.0	212.2	0.10	10/23/2024
Sulfate			10.0		279	200.0	84.81	97.1	278.9	0.04	10/23/2024

Batch R354943		SampType: MS		Units mg/L							Date Analyzed
SampID: 24101819-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		10.2	10.00	0	102.4	80	120	10/22/2024	
Chloride		5.00		265	200.0	51.18	107.1	80	120	10/22/2024	
Sulfate		10.0		337	200.0	140.6	98.2	80	120	10/22/2024	

Batch R354943		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 24101819-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.3	10.00	0	102.7	10.24	0.36	10/22/2024
Chloride		5.00		266	200.0	51.18	107.5	265.5	0.24	10/22/2024
Sulfate		10.0		337	200.0	140.6	98.4	337.0	0.13	10/22/2024

Batch R354943		SampType: MS		Units mg/L							
SampID: 24101820-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.2	10.00	0.2090	99.8	80	120	10/22/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101820-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.2	10.00	0.2090	100.0	10.18	0.25	10/22/2024

Batch R354943		SampType: MS		Units mg/L						
SampID: 24101820-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.8	10.00	0.7040	100.8	80	120	10/22/2024

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101820-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.8	10.00	0.7040	101.0	10.78	0.17	10/22/2024

Batch R354943		SampType: MS		Units mg/L							
SampID: 24101820-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.3	10.00	0	102.6	80	120	10/22/2024	

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101820-009BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0	102.9	10.26	0.33	10/22/2024

Batch R354943		SampType: MS		Units mg/L						
SampID: 24101822-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3800	99.6	80	120	10/22/2024
Chloride		5.00		208	200.0	3.273	102.2	80	120	10/22/2024
Sulfate		10.0		197	200.0	9.222	93.9	80	120	10/22/2024

Batch R354943		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101822-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.3800	99.7	10.34	0.18	10/22/2024
Chloride		5.00		209	200.0	3.273	102.9	207.7	0.63	10/22/2024
Sulfate		10.0		197	200.0	9.222	94.1	197.0	0.24	10/22/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/05/2024	
Chloride		0.50		ND						11/05/2024	
Sulfate		1.00		ND						11/05/2024	

Batch R355616		SampType: LCS		Units mg/L							
SampID: LCS/ICV/QCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		1.00	1.000	0	100.4	90	110	11/05/2024	
Chloride		0.50		20.5	20.00	0	102.7	90	110	11/05/2024	
Sulfate		1.00		18.5	20.00	0	92.6	90	110	11/05/2024	

Batch R355616		SampType: MS		Units mg/L						
SampID: 24100001-022AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.4	10.00	1.197	101.9	80	120	11/05/2024
Chloride		5.00		1220	200.0	1042	91.0	80	120	11/05/2024
Sulfate		10.0		365	200.0	169.8	97.8	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-022AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.4	10.00	1.197	102.5	11.39	0.49	11/05/2024
Chloride			5.00		1220	200.0	1042	89.9	1224	0.19	11/05/2024
Sulfate			10.0		366	200.0	169.8	98.0	365.3	0.11	11/05/2024

Batch R355616		SampType: MS		Units mg/L							
SampID: 24101589-030BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.3	10.00	0.3450	99.6	80	120	11/06/2024	

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-030BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0.3450	99.5	10.30	0.10	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110188-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.88	10.00	0	98.8	80	120	11/05/2024
Chloride		5.00		374	200.0	155.0	109.5	80	120	11/05/2024
Sulfate		10.0		730	200.0	531.6	99.1	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110188-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.93	10.00	0	99.3	9.875	0.53	11/05/2024
Chloride			5.00		375	200.0	155.0	110.1	374.1	0.30	11/05/2024
Sulfate			10.0		731	200.0	531.6	99.5	729.9	0.10	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110189-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.92	10.00	0	99.2	80	120	11/05/2024
Chloride		5.00		223	200.0	16.85	103.1	80	120	11/05/2024
Sulfate		10.0		1160	200.0	953.2	101.9	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110189-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.96	10.00	0	99.6	9.923	0.37	11/05/2024
Chloride		5.00		224	200.0	16.85	103.5	223.1	0.31	11/05/2024
Sulfate		10.0		1160	200.0	953.2	103.3	1157	0.24	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110221-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	80	120	11/05/2024
Chloride		5.00		215	200.0	9.207	102.7	80	120	11/05/2024
Sulfate		10.0		220	200.0	33.48	93.2	80	120	11/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110221-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.85	10.00	0	98.5	9.843	0.03	11/05/2024
Chloride		5.00		214	200.0	9.207	102.6	214.7	0.14	11/05/2024
Sulfate		10.0		219	200.0	33.48	92.9	219.8	0.27	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110232-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	0.7990	98.8	80	120	11/05/2024
Chloride		5.00		213	200.0	7.226	102.8	80	120	11/05/2024
Sulfate		10.0		299	200.0	107.0	95.8	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110232-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.7	10.00	0.7990	98.6	10.68	0.20	11/05/2024
Chloride		5.00		213	200.0	7.226	102.7	212.9	0.09	11/05/2024
Sulfate		10.0		299	200.0	107.0	95.8	298.6	0.01	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110234-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.91	10.00	0	99.1	80	120	11/06/2024
Chloride		5.00		225	200.0	16.08	104.2	80	120	11/06/2024
Sulfate		10.0		225	200.0	39.18	93.1	80	120	11/06/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110234-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.96	10.00	0	99.6	9.907	0.54	11/06/2024
Chloride		5.00		224	200.0	16.08	103.7	224.5	0.43	11/06/2024
Sulfate		10.0		225	200.0	39.18	92.7	225.4	0.38	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110236-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.87	10.00	0	98.7	80	120	11/05/2024
Chloride		5.00		207	200.0	2.717	102.3	80	120	11/05/2024
Sulfate		10.0		187	200.0	0	93.4	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110236-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.81	10.00	0	98.1	9.870	0.59	11/05/2024
Chloride			5.00		206	200.0	2.717	101.7	207.3	0.64	11/05/2024
Sulfate			10.0		186	200.0	0	92.8	186.8	0.69	11/05/2024

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

Batch 229768		SampType: MBLK		Units mg/L						
SampID: MBLK-229768										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/16/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/16/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/16/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/16/2024

Batch 229768		SampType: LCS		Units mg/L						
SampID: LCS-229768										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.62	2.500	0	104.8	85	115	10/16/2024
Magnesium		0.0500		2.40	2.500	0	95.9	85	115	10/16/2024
Potassium		0.100		2.65	2.500	0	105.9	85	115	10/16/2024
Sodium		0.0500		2.66	2.500	0	106.2	85	115	10/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229828 SampType: MBLK Units mg/L

SampID: MBLK-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/21/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	10/21/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/21/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/18/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/21/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	10/21/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/21/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/21/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/18/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/21/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	10/21/2024

Batch 229828 SampType: LCS Units mg/L

SampID: LCS-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.50	2.500	0	100.1	85	115	10/18/2024
Calcium		0.100		2.70	2.500	0	108.2	85	115	10/21/2024
Cobalt		0.0050		0.544	0.5000	0	108.7	85	115	10/21/2024
Lead		0.0150		0.523	0.5000	0	104.6	85	115	10/21/2024
Magnesium		0.0500		2.39	2.500	0	95.6	85	115	10/18/2024
Manganese		0.0070		0.544	0.5000	0	108.8	85	115	10/21/2024
Molybdenum		0.0100		0.520	0.5000	0	104.0	85	115	10/21/2024
Potassium		0.100		2.52	2.500	0	100.9	85	115	10/18/2024
Potassium		0.100		2.71	2.500	0	108.3	85	115	10/21/2024
Selenium		0.0400		0.528	0.5000	0	105.5	85	115	10/21/2024
Sodium		0.0500		2.55	2.500	0	102.0	85	115	10/18/2024
Sodium		0.0500		2.68	2.500	0	107.3	85	115	10/21/2024
Thallium		0.0500		0.265	0.2500	0	106.1	85	115	10/21/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229828		SampType: MS		Units mg/L						
SampID: 24100001-031BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	97.6	2.500	96.21	57.6	75	125	10/18/2024
Magnesium		0.0500	S	42.0	2.500	40.22	69.4	75	125	10/18/2024
Potassium		0.100		5.50	2.500	3.174	93.2	75	125	10/18/2024
Sodium		0.0500	S	88.0	2.500	86.40	62.8	75	125	10/21/2024

Batch 229828		SampType: MSD		Units mg/L					RPD Limit 20		
SampID: 24100001-031BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		98.6	2.500	96.21	97.2	97.65	1.01	10/18/2024	
Magnesium		0.0500		42.3	2.500	40.22	84.9	41.95	0.92	10/18/2024	
Potassium		0.100		5.62	2.500	3.174	97.8	5.504	2.07	10/18/2024	
Sodium		0.0500	S	88.1	2.500	86.40	68.4	87.97	0.16	10/21/2024	

Batch 229829		SampType: MBLK		Units mg/L							
SampID: MBLK-229829											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100		
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100		
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100		
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100		
Potassium		0.100		< 0.100	0.0400	0	0	-100	100		
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100		

Batch 229829		SampType: LCS		Units mg/L							
SampID: LCS-229829											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		0.488	0.5000	0	97.7	85	115		
Calcium		0.100		2.52	2.500	0	100.8	85	115		
Iron		0.0400		2.10	2.000	0	105.0	85	115		
Magnesium		0.0500		2.40	2.500	0	96.2	85	115		
Manganese		0.0070		0.500	0.5000	0	100.1	85	115		
Potassium		0.100		2.64	2.500	0	105.6	85	115		
Sodium		0.0500		2.53	2.500	0	101.2	85	115		



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229829		SampType: MS		Units mg/L						
SampID: 24100001-051BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	145	2.500	144.7	30.4	75	125	10/18/2024
Magnesium		0.0500	S	71.8	2.500	70.56	51.4	75	125	10/18/2024
Potassium		0.100		5.03	2.500	2.347	107.5	75	125	10/18/2024
Sodium		0.0500		56.6	2.500	54.68	77.2	75	125	10/21/2024

Batch 229829		SampType: MSD		Units mg/L						RPD Limit 20	
SampID: 24100001-051BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	149	2.500	144.7	184.4	145.4	2.61	10/18/2024	
Magnesium		0.0500	S	73.7	2.500	70.56	125.5	71.85	2.55	10/18/2024	
Potassium		0.100		5.03	2.500	2.347	107.2	5.033	0.13	10/18/2024	
Sodium		0.0500		57.7	2.500	54.68	120.4	56.61	1.89	10/21/2024	

Batch 229829		SampType: MS		Units mg/L							
SampID: 24101508-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		22.5	2.500	20.07	96.4	75	125	10/18/2024	

Batch 229829		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24101508-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100		22.0	2.500	20.07	79.2	22.48	1.93	10/18/2024

Batch 229864		SampType: MBLK		Units mg/L							
SampID: MBLK-229864											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/18/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/18/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/18/2024	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/18/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/18/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229864 SampType: LCS Units mg/L

SampleID: LCS-229864

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		0.486	0.5000	0	97.3	85	115	10/18/2024
Calcium		0.100		2.52	2.500	0	101.0	85	115	10/18/2024
Iron		0.0400		1.98	2.000	0	98.8	85	115	10/18/2024
Magnesium		0.0500		2.37	2.500	0	94.9	85	115	10/18/2024
Manganese		0.0070		0.491	0.5000	0	98.2	85	115	10/18/2024
Potassium		0.100		2.65	2.500	0	106.2	85	115	10/18/2024
Sodium		0.0500		2.54	2.500	0	101.7	85	115	10/18/2024

Batch 229864 SampType: MS Units mg/L

SampleID: 24100001-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	212	2.500	211.7	16.4	75	125	10/18/2024
Magnesium		0.0500	S	83.5	2.500	81.99	61.1	75	125	10/18/2024
Potassium		0.100		4.51	2.500	1.701	112.4	75	125	10/18/2024
Sodium		0.0500	S	92.4	2.500	90.97	55.6	75	125	10/18/2024

Batch 229864 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100001-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	213	2.500	211.7	69.6	212.1	0.63	10/18/2024
Magnesium		0.0500		84.4	2.500	81.99	98.2	83.52	1.10	10/18/2024
Potassium		0.100		4.50	2.500	1.701	112.1	4.511	0.17	10/18/2024
Sodium		0.0500	S	92.6	2.500	90.97	65.6	92.36	0.27	10/18/2024

Batch 229922 SampType: MBLK Units mg/L

SampleID: MBLK-229922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/21/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/21/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/21/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/21/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229922 SampType: LCS Units mg/L

SampleID: LCS-229922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.62	2.500	0	104.9	85	115	10/21/2024
Magnesium		0.0500		2.33	2.500	0	93.2	85	115	10/21/2024
Potassium		0.100		2.73	2.500	0	109.3	85	115	10/21/2024
Sodium		0.0500		2.69	2.500	0	107.7	85	115	10/21/2024

Batch 229922 SampType: MS Units mg/L

SampleID: 24100001-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	186	2.500	183.0	131.6	75	125	10/21/2024
Magnesium		0.0500		76.7	2.500	74.05	106.4	75	125	10/21/2024
Potassium		0.100		7.72	2.500	5.115	104.2	75	125	10/21/2024
Sodium		0.0500		74.6	2.500	71.87	108.4	75	125	10/21/2024

Batch 229922 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100001-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	184	2.500	183.0	44.4	186.3	1.18	10/21/2024
Magnesium		0.0500	S	75.6	2.500	74.05	61.3	76.71	1.48	10/21/2024
Potassium		0.100		7.63	2.500	5.115	100.6	7.720	1.18	10/21/2024
Sodium		0.0500	S	73.4	2.500	71.87	62.4	74.58	1.55	10/21/2024

Batch 229922 SampType: MS Units mg/L

SampleID: 24100001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.65	2.500	0	106.1	75	125	10/21/2024
Magnesium		0.0500		2.36	2.500	0.006200	94.3	75	125	10/21/2024
Potassium		0.100		2.70	2.500	0	107.9	75	125	10/21/2024
Sodium		0.0500		2.69	2.500	0	107.6	75	125	10/21/2024

Batch 229922 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		2.66	2.500	0	106.6	2.652	0.46	10/21/2024
Magnesium		0.0500		2.35	2.500	0.006200	93.7	2.364	0.62	10/21/2024
Potassium		0.100		2.72	2.500	0	108.7	2.697	0.78	10/21/2024
Sodium		0.0500		2.69	2.500	0	107.5	2.691	0.10	10/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230069		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-230069											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/23/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/23/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/23/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/23/2024	

Batch 230069		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-230069											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.41	2.500	0	96.6	85	115	10/23/2024	
Magnesium		0.0500		2.26	2.500	0	90.4	85	115	10/23/2024	
Potassium		0.100		2.61	2.500	0	104.3	85	115	10/23/2024	
Sodium		0.0500		2.52	2.500	0	100.9	85	115	10/23/2024	

Batch 230147		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-230147											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	10/24/2024	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/24/2024	
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	10/24/2024	
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	10/24/2024	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/24/2024	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	10/24/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/24/2024	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	10/24/2024	
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	10/24/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/24/2024	
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/24/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/24/2024	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/24/2024	
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	10/24/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/24/2024	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/24/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/24/2024	
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	10/24/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230147 SampType: LCS Units mg/L

SampID: LCS-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		0.522	0.5000	0	104.4	85	115	10/24/2024
Arsenic		0.0250		0.507	0.5000	0	101.4	85	115	10/24/2024
Barium		0.0025		1.98	2.000	0	99.0	85	115	10/24/2024
Beryllium		0.0005		0.0512	0.0500	0	102.4	85	115	10/24/2024
Boron		0.0200		0.488	0.5000	0	97.7	85	115	10/24/2024
Cadmium		0.0020		0.0488	0.0500	0	97.6	85	115	10/24/2024
Calcium		0.100		2.59	2.500	0	103.5	85	115	10/24/2024
Chromium		0.0050		0.206	0.2000	0	103.0	85	115	10/24/2024
Cobalt		0.0050		0.535	0.5000	0	107.1	85	115	10/24/2024
Iron		0.0400		2.23	2.000	0	111.5	85	115	10/25/2024
Lead		0.0150		0.508	0.5000	0	101.5	85	115	10/24/2024
Magnesium		0.0500		2.56	2.500	0	102.3	85	115	10/24/2024
Manganese		0.0070		0.504	0.5000	0	100.9	85	115	10/24/2024
Molybdenum		0.0100		0.507	0.5000	0	101.4	85	115	10/24/2024
Potassium		0.100		2.78	2.500	0	111.0	85	115	10/24/2024
Selenium		0.0400		0.507	0.5000	0	101.4	85	115	10/24/2024
Sodium		0.0500		2.56	2.500	0	102.6	85	115	10/24/2024
Thallium		0.0500		0.256	0.2500	0	102.3	85	115	10/24/2024

Batch 230147 SampType: MS Units mg/L

SampID: 24100635-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		41.2	2.500	38.10	124.8	75	125	10/24/2024
Magnesium		0.0500		13.8	2.500	11.22	104.6	75	125	10/24/2024
Potassium		0.100		4.16	2.500	1.430	109.2	75	125	10/24/2024
Sodium		0.0500	S	76.5	2.500	72.93	141.2	75	125	10/24/2024

Batch 230147 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24100635-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		40.6	2.500	38.10	102.0	41.22	1.39	10/24/2024
Magnesium		0.0500		13.6	2.500	11.22	97.0	13.83	1.39	10/24/2024
Potassium		0.100		4.06	2.500	1.430	105.4	4.159	2.29	10/24/2024
Sodium		0.0500		75.2	2.500	72.93	90.0	76.46	1.69	10/24/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230147		SampType: MS		Units mg/L							
SampID: 24100635-005BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	84.7	2.500	81.45	131.6	75	125		
Magnesium		0.0500		25.3	2.500	22.72	104.4	75	125		
Potassium		0.100		5.64	2.500	3.138	100.3	75	125		
Sodium		0.0500	S	45.2	2.500	43.36	72.4	75	125		

Batch 230147		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24100635-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Calcium			0.100	S	82.8	2.500	81.45	52.0	84.74	2.38	
Magnesium			0.0500		24.7	2.500	22.72	78.6	25.32	2.57	
Potassium			0.100		5.66	2.500	3.138	100.9	5.644	0.29	
Sodium			0.0500	S	45.1	2.500	43.36	69.6	45.17	0.16	

Batch 230648		SampType: MBLK		Units mg/L							
SampID: MBLK-230648											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/05/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/05/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/05/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/05/2024	

Batch 230648		SampType: LCS		Units mg/L						
SampID: LCS-230648										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.12	5.000	0	102.4	85	115	11/05/2024
Magnesium		0.0500		4.75	5.000	0	94.9	85	115	11/05/2024
Potassium		0.100		4.99	5.000	0	99.8	85	115	11/05/2024
Sodium		0.0500		5.06	5.000	0	101.3	85	115	11/05/2024

Batch 230648		SampType: MS		Units mg/L						
SampID: 24100001-014BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		90.3	5.000	85.23	101.0	75	125	11/05/2024
Magnesium		0.0500		41.6	5.000	37.07	90.7	75	125	11/05/2024
Potassium		0.100		7.72	5.000	3.246	89.6	75	125	11/05/2024
Sodium		0.0500		48.0	5.000	43.58	88.6	75	125	11/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230648		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24100001-014BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	87.4	5.000	85.23	43.0	90.28	3.26	11/05/2024
Magnesium		0.0500	S	40.4	5.000	37.07	66.4	41.60	2.96	11/05/2024
Potassium		0.100		7.46	5.000	3.246	84.2	7.724	3.53	11/05/2024
Sodium		0.0500	S	46.2	5.000	43.58	52.2	48.01	3.86	11/05/2024

Batch 230648		SampType: MS		Units mg/L						
SampID: 24100001-022BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		54.2	5.000	48.56	111.8	75	125	11/05/2024
Magnesium		0.0500		19.9	5.000	14.66	105.0	75	125	11/05/2024
Potassium		0.500		13.7	5.000	8.000	113.5	75	125	11/08/2024
Sodium		0.250	S	894	5.000	842.2	1044	75	125	11/06/2024

Batch 230648		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24100001-022BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100		54.7	5.000	48.56	123.4	54.15	1.07	11/05/2024
Magnesium			0.0500		20.2	5.000	14.66	111.2	19.91	1.54	11/05/2024
Potassium			0.500		13.4	5.000	8.000	107.2	13.67	2.33	11/08/2024
Sodium			0.250	S	876	5.000	842.2	678.0	894.4	2.07	11/06/2024

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

Batch 229735		SampType: MBLK		Units mg/L						
SampID: MBLK-229735										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/16/2024

Batch 229735		SampType: LCS		Units mg/L						
SampID: LCS-229735										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.528	0.5000	0	105.5	80	120	10/17/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229830		SampType: MBLK		Units mg/L						
SampID: MBLK-229830										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/21/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/21/2024
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/21/2024

Batch 229830		SampType: LCS		Units mg/L						
SampID: LCS-229830										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.537	0.5000	0	107.5	80	120	10/21/2024
Iron		0.0250		2.04	2.000	0	102.2	80	120	10/21/2024
Manganese		0.0020		0.514	0.5000	0	102.8	80	120	10/21/2024

Batch 229830		SampType: MS		Units mg/L						
SampID: 24100001-051CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		1.97	2.000	0.01197	97.7	75	125	10/21/2024
Manganese		0.0020		0.603	0.5000	0.1020	100.2	75	125	10/21/2024

Batch 229830		SampType: MSD		Units mg/L						RPD Limit 20	
SampID: 24100001-051CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0250		2.08	2.000	0.01197	103.4	1.966	5.64	10/21/2024
Manganese			0.0020		0.610	0.5000	0.1020	101.6	0.6029	1.17	10/21/2024

Batch 230027		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-230027											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100		

Batch 230027		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-230027											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		0.506	0.5000	0	101.1	80	120	10/22/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230027		SampType: MS		Units mg/L						
SampID: 24100001-001DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.523	0.5000	0.05222	94.2	75	125	10/22/2024

Batch 230027		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24100001-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			0.0250		0.521	0.5000	0.05222	93.7	0.5233	0.46	10/22/2024

Batch 230028		SampType: MBLK		Units mg/L						
SampID: MBLK-230028										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/22/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/22/2024
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/22/2024

Batch 230028		SampType: LCS		Units mg/L						
SampID: LCS-230028										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.460	0.5000	0	91.9	80	120	10/22/2024
Iron		0.0250		1.71	2.000	0	85.6	80	120	10/22/2024
Manganese		0.0020		0.447	0.5000	0	89.3	80	120	10/22/2024

Batch 230028		SampType: MS		Units mg/L							
SampID: 24100001-016DMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Boron		0.0250		0.755	0.5000	0.2026	110.6	75	125	10/30/2024	

Batch 230028		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24100001-016DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			0.0250		0.751	0.5000	0.2026	109.6	0.7554	0.61	10/30/2024

Batch 230686		SampType: MBLK		Units mg/L							
SampID: MBLK-230686											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/13/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230686		SampType: LCS		Units mg/L						
SampID: LCS-230686										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		3.84	4.000	0	95.9	80	120	11/13/2024
Manganese		0.0020		0.969	1.000	0	96.9	80	120	11/13/2024

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

Batch 229768		SampType: MBLK		Units mg/L							
SampID: MBLK-229768											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	10/22/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/17/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/17/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/17/2024	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	10/17/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/17/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/17/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	10/17/2024	
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	10/17/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/17/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/17/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/17/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/21/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/17/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/17/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229768		SampType: LCS		Units mg/L							
SampID: LCS-229768											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010	S	0.603	0.5000	0	120.7	85	115	10/22/2024	
Arsenic		0.0010		0.545	0.5000	0	109.0	85	115	10/17/2024	
Barium		0.0010		2.13	2.000	0	106.3	85	115	10/17/2024	
Beryllium		0.0010		0.0551	0.0500	0	110.2	85	115	10/17/2024	
Boron	*	0.0250		0.525	0.5000	0	105.1	85	115	10/17/2024	
Cadmium		0.0010		0.0528	0.0500	0	105.6	85	115	10/17/2024	
Chromium		0.0015		0.216	0.2000	0	107.8	85	115	10/17/2024	
Cobalt		0.0010		0.504	0.5000	0	100.8	85	115	10/17/2024	
Iron	*	0.0250		2.04	2.000	0	102.1	85	115	10/17/2024	
Lead		0.0010	E	0.544	0.5000	0	108.8	85	115	10/17/2024	
Lithium	*	0.0030		0.539	0.5000	0	107.7	85	115	10/17/2024	
Manganese		0.0020		0.534	0.5000	0	106.9	85	115	10/17/2024	
Molybdenum		0.0015		0.532	0.5000	0	106.5	85	115	10/21/2024	
Selenium		0.0010		0.572	0.5000	0	114.3	85	115	10/22/2024	
Selenium		0.0010	S	0.595	0.5000	0	119.0	85	115	10/17/2024	
Thallium		0.0020		0.248	0.2500	0	99.0	85	115	10/17/2024	

Batch 229768		SampType: MS		Units mg/L						
SampID: 24100001-008CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		3.13	2.000	0.8266	115.4	75	125	10/21/2024
Manganese		0.0400		5.23	0.5000	4.757	93.6	75	125	10/22/2024

Batch 229768		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 24100001-008CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		3.03	2.000	0.8266	110.0	3.134	3.51	10/21/2024
Manganese		0.0400	S	4.73	0.5000	4.757	-6.1	5.225	10.02	10/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229828 SampType: MBLK Units mg/L

SampID: MBLK-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	10/22/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/18/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/18/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/18/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/18/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/18/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/18/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	10/18/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/18/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/18/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/18/2024
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/22/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/18/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/18/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/18/2024

Batch 229828 SampType: LCS Units mg/L

SampID: LCS-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	0.611	0.5000	0	122.2	80	120	10/22/2024
Arsenic		0.0010		0.577	0.5000	0	115.5	80	120	10/22/2024
Beryllium		0.0010		0.0592	0.0500	0	118.5	80	120	10/22/2024
Cadmium		0.0010	S	0.0623	0.0500	0	124.7	80	120	10/21/2024
Chromium		0.0015		0.224	0.2000	0	112.1	80	120	10/22/2024
Cobalt		0.0010		0.525	0.5000	0	105.0	80	120	10/22/2024
Lead		0.0010		0.529	0.5000	0	105.8	80	120	10/22/2024
Lithium	*	0.0030		0.590	0.5000	0	117.9	80	120	10/22/2024
Manganese		0.0020		0.567	0.5000	0	113.4	80	120	10/22/2024
Molybdenum		0.0015		0.561	0.5000	0	112.2	80	120	10/21/2024
Thallium		0.0020		0.260	0.2500	0	104.2	80	120	10/22/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229828		SampType: MS		Units mg/L							
SampID: 24100001-031BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0010		0.531	0.5000	0.0008367	106.0	75	125	10/19/2024	
Beryllium		0.0010		0.0587	0.0500	0	117.4	75	125	10/19/2024	
Cadmium		0.0010		0.0563	0.0500	0	112.7	75	125	10/21/2024	
Chromium		0.0015		0.194	0.2000	0	96.8	75	125	10/19/2024	
Cobalt		0.0010		0.481	0.5000	0.0009323	96.1	75	125	10/19/2024	
Lead		0.0010		0.499	0.5000	0	99.8	75	125	10/19/2024	
Molybdenum		0.0015		0.445	0.5000	0.003056	88.4	75	125	10/19/2024	
Thallium		0.0020		0.246	0.2500	0	98.3	75	125	10/19/2024	

Batch 229828		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24100001-031BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Arsenic		0.0010		0.527	0.5000	0.0008367	105.2	0.5310	0.83	10/19/2024	
Beryllium		0.0010		0.0580	0.0500	0	116.0	0.05868	1.14	10/19/2024	
Cadmium		0.0010		0.0568	0.0500	0	113.6	0.05633	0.80	10/21/2024	
Chromium		0.0015		0.197	0.2000	0	98.7	0.1936	1.89	10/19/2024	
Cobalt		0.0010		0.483	0.5000	0.0009323	96.5	0.4813	0.42	10/19/2024	
Lead		0.0010		0.511	0.5000	0	102.1	0.4992	2.27	10/19/2024	
Molybdenum		0.0015		0.454	0.5000	0.003056	90.2	0.4452	1.94	10/19/2024	
Thallium		0.0020		0.253	0.2500	0	101.3	0.2457	3.03	10/19/2024	

Batch 229829		SampType:	MBLK	Units mg/L							Date Analyzed
SampID: MBLK-229829											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/19/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/19/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/19/2024	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	10/21/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/19/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/19/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	10/19/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/19/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/19/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/21/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/19/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229829 SampType: LCS Units mg/L

SampID: LCS-229829

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0010	S	0.0586	0.0500	0	117.2	85	115	10/21/2024
Cobalt		0.0010		0.548	0.5000	0	109.5	85	115	10/21/2024
Molybdenum		0.0015		0.526	0.5000	0	105.3	85	115	10/21/2024
Selenium		0.0010	S	0.628	0.5000	0	125.7	85	115	10/21/2024
Thallium		0.0020		0.262	0.2500	0	105.0	85	115	10/21/2024

Batch 229829 SampType: MS Units mg/L

SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0010		0.0585	0.0500	0	116.9	75	125	10/21/2024
Cobalt		0.0010		0.539	0.5000	0.0008436	107.6	75	125	10/21/2024
Molybdenum		0.0015		0.546	0.5000	0.0007502	109.1	75	125	10/21/2024
Selenium		0.0010		0.610	0.5000	0	122.0	75	125	10/21/2024
Thallium		0.0020		0.274	0.2500	0	109.5	75	125	10/21/2024

Batch 229829 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24100001-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0010		0.0580	0.0500	0	116.0	0.05847	0.83	10/21/2024
Cobalt		0.0010		0.524	0.5000	0.0008436	104.6	0.5389	2.86	10/21/2024
Molybdenum		0.0015		0.539	0.5000	0.0007502	107.7	0.5463	1.31	10/21/2024
Selenium		0.0010		0.598	0.5000	0	119.7	0.6101	1.95	10/21/2024
Thallium		0.0020		0.263	0.2500	0	105.3	0.2738	3.98	10/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229864		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-229864											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	10/22/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/19/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/19/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/19/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/21/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/19/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/19/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	10/19/2024	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/19/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/19/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/22/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/19/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/19/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/19/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/19/2024	

Batch 229864		SampType: LCS		Units mg/L							
SampID: LCS-229864											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.578	0.5000	0	115.7	80	120	10/22/2024	
Arsenic		0.0010		0.510	0.5000	0	102.0	80	120	10/19/2024	
Barium		0.0010		2.26	2.000	0	112.8	80	120	10/19/2024	
Beryllium		0.0010		0.0526	0.0500	0	105.2	80	120	10/19/2024	
Boron		0.0250		0.588	0.5000	0	117.7	80	120	10/21/2024	
Cadmium		0.0010		0.0597	0.0500	0	119.5	80	120	10/19/2024	
Chromium		0.0015		0.192	0.2000	0	95.9	80	120	10/19/2024	
Cobalt		0.0010		0.485	0.5000	0	97.1	80	120	10/19/2024	
Iron		0.0250		1.90	2.000	0	95.2	80	120	10/19/2024	
Lead		0.0010		0.488	0.5000	0	97.5	80	120	10/19/2024	
Lithium	*	0.0030		0.558	0.5000	0	111.7	80	120	10/22/2024	
Manganese		0.0020		0.493	0.5000	0	98.5	80	120	10/19/2024	
Molybdenum		0.0015		0.435	0.5000	0	86.9	80	120	10/19/2024	
Selenium		0.0010		0.538	0.5000	0	107.5	80	120	10/19/2024	
Thallium		0.0020		0.237	0.2500	0	94.8	80	120	10/19/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229864		SampType: MS		Units mg/L						
SampID: 24100001-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		2.04	2.000	0.1519	94.4	75	125	10/19/2024
Manganese		0.0020		0.661	0.5000	0.1392	104.4	75	125	10/21/2024

Batch 229864		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24100001-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Iron			0.0250		2.03	2.000	0.1519	94.0	2.040	0.35	10/19/2024
Manganese			0.0020		0.673	0.5000	0.1392	106.8	0.6610	1.82	10/21/2024

Batch 229864		SampType: MS		Units mg/L							
SampID: 24100001-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.572	0.5000	0	114.5	75	125	10/22/2024	
Arsenic		0.0010		0.506	0.5000	0.0005044	101.2	75	125	10/19/2024	
Barium		0.0010		2.23	2.000	0.02370	110.3	75	125	10/19/2024	
Beryllium		0.0010		0.0544	0.0500	0	108.8	75	125	10/19/2024	
Boron		0.0250		0.730	0.5000	0.1862	108.7	75	125	10/21/2024	
Cadmium		0.0010		0.0580	0.0500	0	116.1	75	125	10/19/2024	
Chromium		0.0015		0.189	0.2000	0	94.5	75	125	10/19/2024	
Cobalt		0.0010		0.457	0.5000	0.002426	90.9	75	125	10/19/2024	
Iron		0.0250		2.70	2.000	0.7735	96.2	75	125	10/19/2024	
Lead		0.0010		0.492	0.5000	0.0007697	98.2	75	125	10/19/2024	
Lithium	*	0.0030		0.560	0.5000	0.01572	108.9	75	125	10/22/2024	
Manganese		0.0020		0.961	0.5000	0.4215	107.9	75	125	10/21/2024	
Molybdenum		0.0015		0.432	0.5000	0	86.4	75	125	10/19/2024	
Selenium		0.0010		0.515	0.5000	0	103.0	75	125	10/19/2024	
Thallium		0.0020		0.243	0.2500	0	97.0	75	125	10/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch	229864	SampType:	MSD	Units mg/L				RPD Limit 20			
SampID: 24100001-015CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			0.0010		0.585	0.5000	0	117.1	0.5723	2.27	10/22/2024
Arsenic			0.0010		0.519	0.5000	0.0005044	103.7	0.5065	2.45	10/19/2024
Barium			0.0010		2.22	2.000	0.02370	110.0	2.229	0.21	10/19/2024
Beryllium			0.0010		0.0550	0.0500	0	110.0	0.05442	1.06	10/19/2024
Boron			0.0250		0.750	0.5000	0.1862	112.7	0.7295	2.72	10/21/2024
Cadmium			0.0010		0.0585	0.0500	0	117.0	0.05805	0.79	10/19/2024
Chromium			0.0015		0.191	0.2000	0	95.7	0.1890	1.27	10/19/2024
Cobalt			0.0010		0.471	0.5000	0.002426	93.8	0.4570	3.10	10/19/2024
Iron			0.0250		2.76	2.000	0.7735	99.2	2.698	2.20	10/19/2024
Lead			0.0010		0.497	0.5000	0.0007697	99.2	0.4918	1.04	10/19/2024
Lithium		*	0.0030		0.569	0.5000	0.01572	110.7	0.5600	1.62	10/22/2024
Manganese			0.0020		0.970	0.5000	0.4215	109.6	0.9612	0.88	10/21/2024
Molybdenum			0.0015		0.446	0.5000	0	89.2	0.4319	3.21	10/19/2024
Selenium			0.0010		0.526	0.5000	0	105.3	0.5151	2.18	10/19/2024
Thallium			0.0020		0.242	0.2500	0	96.8	0.2426	0.26	10/19/2024

Batch	229922	SampType:	MBLK	Units mg/L							
SampID:		MBLK-229922									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	10/21/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/21/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/21/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/21/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/21/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/21/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/21/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	10/21/2024	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/21/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/21/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/21/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/22/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/21/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/21/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/21/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229922		SampType: LCS		Units mg/L							
SampID: LCS-229922											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.574	0.5000	0	114.9	80	120	10/21/2024	
Arsenic		0.0010		0.537	0.5000	0	107.5	80	120	10/21/2024	
Barium		0.0010		2.11	2.000	0	105.3	80	120	10/21/2024	
Beryllium		0.0010		0.0512	0.0500	0	102.3	80	120	10/21/2024	
Boron		0.0250		0.493	0.5000	0	98.6	80	120	10/21/2024	
Cadmium		0.0010		0.0520	0.0500	0	104.0	80	120	10/21/2024	
Chromium		0.0015		0.202	0.2000	0	101.2	80	120	10/21/2024	
Cobalt		0.0010		0.503	0.5000	0	100.6	80	120	10/21/2024	
Iron		0.0250		1.90	2.000	0	94.9	80	120	10/21/2024	
Lead		0.0010		0.481	0.5000	0	96.2	80	120	10/21/2024	
Lithium	*	0.0030		0.505	0.5000	0	101.0	80	120	10/21/2024	
Manganese		0.0020		0.558	0.5000	0	111.5	80	120	10/22/2024	
Molybdenum		0.0015		0.461	0.5000	0	92.1	80	120	10/21/2024	
Selenium		0.0010		0.571	0.5000	0	114.2	80	120	10/21/2024	
Thallium		0.0020		0.239	0.2500	0	95.7	80	120	10/21/2024	

Batch 229922		SampType: MS		Units mg/L							Date Analyzed
SampID: 24100001-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.460	0.5000	0.0007329	91.9	75	125	10/23/2024	
Arsenic		0.0010		0.533	0.5000	0.01625	103.3	75	125	10/22/2024	
Barium		0.0010		2.60	2.000	0.2474	117.4	75	125	10/22/2024	
Beryllium		0.0010		0.0521	0.0500	0.001331	101.5	75	125	10/22/2024	
Boron		0.0250	S	4.43	0.5000	4.225	40.2	75	125	10/22/2024	
Cadmium		0.0010		0.0553	0.0500	0.0003260	109.9	75	125	10/22/2024	
Chromium		0.0015		0.245	0.2000	0.04969	97.4	75	125	10/22/2024	
Cobalt		0.0010		0.502	0.5000	0.01927	96.5	75	125	10/22/2024	
Lead		0.0010		0.507	0.5000	0.01688	98.0	75	125	10/23/2024	
Lithium	*	0.0030		0.542	0.5000	0.03620	101.1	75	125	10/22/2024	
Molybdenum		0.0015		0.496	0.5000	0.004338	98.4	75	125	10/22/2024	
Selenium		0.0010		0.543	0.5000	0.005309	107.5	75	125	10/22/2024	
Thallium		0.0020		0.245	0.2500	0	97.8	75	125	10/22/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch	229922	SampType:	MSD	Units mg/L				RPD Limit 20			
SampID: 24100001-012BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			0.0010		0.451	0.5000	0.0007329	90.1	0.4601	2.00	10/23/2024
Arsenic			0.0010		0.548	0.5000	0.01625	106.3	0.5326	2.84	10/22/2024
Barium			0.0010		2.63	2.000	0.2474	119.1	2.596	1.25	10/22/2024
Beryllium			0.0010		0.0511	0.0500	0.001331	99.5	0.05209	1.92	10/22/2024
Boron			0.0250	S	4.42	0.5000	4.225	39.7	4.426	0.06	10/22/2024
Cadmium			0.0010		0.0554	0.0500	0.0003260	110.2	0.05529	0.24	10/22/2024
Chromium			0.0015		0.241	0.2000	0.04969	95.9	0.2445	1.29	10/22/2024
Cobalt			0.0010		0.520	0.5000	0.01927	100.1	0.5019	3.51	10/22/2024
Lead			0.0010		0.490	0.5000	0.01688	94.6	0.5070	3.39	10/23/2024
Lithium		*	0.0030		0.530	0.5000	0.03620	98.7	0.5419	2.27	10/22/2024
Molybdenum			0.0015		0.507	0.5000	0.004338	100.5	0.4964	2.12	10/22/2024
Selenium			0.0010		0.558	0.5000	0.005309	110.5	0.5427	2.71	10/22/2024
Thallium			0.0020		0.247	0.2500	0	98.6	0.2446	0.83	10/22/2024

Batch	229922	SampType:	MS	Units mg/L							
SampID: 24100001-052CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.595	0.5000	0	118.9	75	125	10/23/2024	
Arsenic		0.0010		0.557	0.5000	0	111.3	75	125	10/22/2024	
Barium		0.0010		2.48	2.000	0	123.8	75	125	10/22/2024	
Beryllium		0.0010		0.0588	0.0500	0	117.5	75	125	10/22/2024	
Boron		0.0250		0.571	0.5000	0	114.2	75	125	10/22/2024	
Cadmium		0.0010		0.0559	0.0500	0	111.9	75	125	10/22/2024	
Chromium		0.0015		0.223	0.2000	0	111.5	75	125	10/22/2024	
Cobalt		0.0010		0.520	0.5000	0	104.0	75	125	10/22/2024	
Iron		0.0250		2.11	2.000	0	105.4	75	125	10/22/2024	
Lead		0.0010		0.556	0.5000	0	111.3	75	125	10/22/2024	
Lithium	*	0.0030		0.586	0.5000	0	117.2	75	125	10/22/2024	
Manganese		0.0020		0.543	0.5000	0	108.5	75	125	10/22/2024	
Molybdenum		0.0015		0.499	0.5000	0	99.8	75	125	10/22/2024	
Selenium		0.0010		0.593	0.5000	0	118.5	75	125	10/22/2024	
Thallium		0.0020		0.255	0.2500	0	102.1	75	125	10/22/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 229922		SampType: MSD		Units mg/L			RPD Limit 20			
SampID: 24100001-052CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.609	0.5000	0	121.9	0.5945	2.49	10/23/2024
Arsenic		0.0010		0.566	0.5000	0	113.2	0.5567	1.62	10/22/2024
Barium		0.0010		2.48	2.000	0	124.1	2.477	0.20	10/22/2024
Beryllium		0.0010		0.0587	0.0500	0	117.4	0.05877	0.09	10/22/2024
Boron		0.0250		0.567	0.5000	0	113.3	0.5711	0.77	10/22/2024
Cadmium		0.0010		0.0564	0.0500	0	112.8	0.05594	0.81	10/22/2024
Chromium		0.0015		0.220	0.2000	0	110.2	0.2230	1.15	10/22/2024
Cobalt		0.0010		0.524	0.5000	0	104.8	0.5199	0.78	10/22/2024
Iron		0.0250		2.09	2.000	0	104.5	2.107	0.80	10/22/2024
Lead		0.0010		0.565	0.5000	0	113.0	0.5563	1.57	10/22/2024
Lithium	*	0.0030		0.581	0.5000	0	116.2	0.5860	0.87	10/22/2024
Manganese		0.0020		0.541	0.5000	0	108.2	0.5426	0.31	10/22/2024
Molybdenum		0.0015		0.507	0.5000	0	101.4	0.4990	1.59	10/22/2024
Selenium		0.0010		0.607	0.5000	0	121.4	0.5925	2.40	10/22/2024
Thallium		0.0020		0.260	0.2500	0	104.1	0.2551	2.02	10/22/2024

Batch 230069		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-230069												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	10/29/2024		
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/23/2024		
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/23/2024		
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/23/2024		
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	10/23/2024		
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/23/2024		
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	10/23/2024		
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/23/2024		
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/23/2024		
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/23/2024		
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/23/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230069 SampType: LCS Units mg/L

SampID: LCS-230069

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.547	0.5000	0	109.3	80	120	10/30/2024
Arsenic		0.0010		0.561	0.5000	0	112.2	85	115	10/23/2024
Barium		0.0010		2.38	2.000	0	118.8	80	120	10/25/2024
Beryllium		0.0010		0.0556	0.0500	0	111.2	85	115	10/23/2024
Boron	*	0.0250		0.570	0.5000	0	114.0	85	115	10/23/2024
Chromium		0.0015		0.220	0.2000	0	110.1	85	115	10/23/2024
Iron	*	0.0250		2.05	2.000	0	102.7	85	115	10/23/2024
Lead		0.0010	E	0.542	0.5000	0	108.4	85	115	10/23/2024
Lithium	*	0.0030		0.560	0.5000	0	112.0	85	115	10/23/2024
Manganese		0.0020		0.528	0.5000	0	105.5	85	115	10/23/2024
Selenium		0.0010		0.560	0.5000	0	112.1	80	120	10/25/2024
Selenium		0.0010	S	0.605	0.5000	0	121.1	85	115	10/23/2024

Batch 230069 SampType: MS Units mg/L

SampID: 24100001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	0.639	0.5000	0.0005775	127.8	75	125	10/29/2024
Barium		0.0010		2.44	2.000	0.07429	118.3	75	125	10/25/2024
Boron		0.0250		0.875	0.5000	0.3849	97.9	75	125	10/23/2024
Lithium	*	0.0030		0.524	0.5000	0.01879	100.9	75	125	10/23/2024
Selenium		0.0010		0.571	0.5000	0	114.3	75	125	10/23/2024

Batch 230069 SampType: MSD Units mg/L

SampID: 24100001-031BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	S	0.641	0.5000	0.0005775	128.0	0.6395	0.19	10/29/2024
Barium		0.0010		2.40	2.000	0.07429	116.1	2.440	1.85	10/25/2024
Boron		0.0250		0.883	0.5000	0.3849	99.6	0.8746	0.95	10/23/2024
Lithium	*	0.0030		0.534	0.5000	0.01879	103.1	0.5235	2.03	10/23/2024
Selenium		0.0010		0.574	0.5000	0	114.7	0.5714	0.37	10/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230069 SampType: MS Units mg/L

SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.614	0.5000	0.0005575	122.6	75	125	10/30/2024
Arsenic		0.0010		0.536	0.5000	0	107.2	75	125	10/23/2024
Barium		0.0010		2.35	2.000	0.08384	113.1	75	125	10/25/2024
Beryllium		0.0010		0.0543	0.0500	0	108.5	75	125	10/23/2024
Boron		0.0250		1.06	0.5000	0.5219	108.1	75	125	10/23/2024
Chromium		0.0015		0.208	0.2000	0	103.8	75	125	10/23/2024
Lead		0.0010		0.523	0.5000	0	104.6	75	125	10/23/2024
Lithium	*	0.0030		0.577	0.5000	0.05676	104.1	75	125	10/23/2024

Batch 230069 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24100001-051BMDS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.606	0.5000	0.0005575	121.0	0.6135	1.30	10/30/2024
Arsenic		0.0010		0.528	0.5000	0	105.6	0.5361	1.47	10/23/2024
Barium		0.0010		2.34	2.000	0.08384	112.9	2.345	0.16	10/25/2024
Beryllium		0.0010		0.0534	0.0500	0	106.9	0.05426	1.55	10/23/2024
Boron		0.0250		1.04	0.5000	0.5219	103.3	1.062	2.29	10/23/2024
Chromium		0.0015		0.204	0.2000	0	101.8	0.2077	1.95	10/23/2024
Lead		0.0010		0.514	0.5000	0	102.9	0.5228	1.63	10/23/2024
Lithium	*	0.0030		0.566	0.5000	0.05676	101.9	0.5772	1.92	10/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230147 SampType: MBLK Units mg/L
SampID: MBLK-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/11/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	10/31/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	10/31/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	10/31/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	10/31/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	10/31/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	10/31/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/06/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	10/31/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	10/31/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	10/31/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	10/31/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	10/31/2024

Batch 230147 SampType: LCS Units mg/L
SampID: LCS-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.12	1.000	0	112.5	80	120	11/08/2024
Arsenic		0.0010	S	0.606	0.5000	0	121.2	80	120	10/31/2024
Arsenic		0.0010		0.561	0.5000	0	112.1	80	120	11/06/2024
Arsenic		0.0010		0.549	0.5000	0	109.8	80	120	11/01/2024
Barium		0.0010		1.87	2.000	0	93.7	80	120	10/31/2024
Beryllium		0.0010		0.0588	0.0500	0	117.5	80	120	10/31/2024
Boron		0.0250		0.576	0.5000	0	115.1	80	120	10/31/2024
Cadmium		0.0010		0.0530	0.0500	0	106.0	80	120	10/31/2024
Chromium		0.0015		0.240	0.2000	0	119.8	80	120	10/31/2024
Lead		0.0010		0.573	0.5000	0	114.7	80	120	10/31/2024
Lithium	*	0.0030		0.569	0.5000	0	113.7	80	120	10/31/2024
Molybdenum		0.0015		0.402	0.5000	0	80.4	80	120	10/31/2024
Selenium		0.0010	S	0.650	0.5000	0	130.0	80	120	10/31/2024
Selenium		0.0010		0.578	0.5000	0	115.7	80	120	11/06/2024
Selenium		0.0010		0.587	0.5000	0	117.3	80	120	11/01/2024
Thallium		0.0020		0.266	0.2500	0	106.4	80	120	10/31/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230147 SampType: MS Units mg/L

SampID: 24100635-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.768	1.000	0	76.8	75	125	11/11/2024
Arsenic		0.0010		0.598	0.5000	0.0006627	119.4	75	125	10/31/2024
Barium		0.0010		2.20	2.000	0.2083	99.5	75	125	10/31/2024
Beryllium		0.0010		0.0606	0.0500	0	121.3	75	125	10/31/2024
Boron		0.0250		0.617	0.5000	0.02260	118.8	75	125	10/31/2024
Cadmium		0.0010		0.0579	0.0500	0	115.8	75	125	10/31/2024
Chromium		0.0015		0.237	0.2000	0.002547	117.3	75	125	11/06/2024
Cobalt		0.0010		0.588	0.5000	0.001146	117.4	75	125	11/06/2024
Lead		0.0010		0.573	0.5000	0.0007377	114.4	75	125	10/31/2024
Lithium	*	0.0030		0.595	0.5000	0.001819	118.7	75	125	10/31/2024
Molybdenum		0.0015		0.479	0.5000	0.0007221	95.6	75	125	10/31/2024
Thallium		0.0020		0.264	0.2500	0	105.6	75	125	10/31/2024

Batch 230147 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24100635-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.756	1.000	0	75.6	0.7677	1.51	11/11/2024
Arsenic		0.0010		0.601	0.5000	0.0006627	120.1	0.5979	0.58	10/31/2024
Barium		0.0010		2.16	2.000	0.2083	97.7	2.198	1.61	10/31/2024
Beryllium		0.0010		0.0605	0.0500	0	121.1	0.06064	0.18	10/31/2024
Boron		0.0250		0.615	0.5000	0.02260	118.5	0.6165	0.21	10/31/2024
Cadmium		0.0010		0.0545	0.0500	0	109.0	0.05790	6.03	10/31/2024
Chromium		0.0015		0.240	0.2000	0.002547	118.6	0.2371	1.09	11/06/2024
Cobalt		0.0010		0.607	0.5000	0.001146	121.1	0.5880	3.11	11/06/2024
Lead		0.0010		0.578	0.5000	0.0007377	115.4	0.5726	0.92	10/31/2024
Lithium	*	0.0030		0.591	0.5000	0.001819	117.8	0.5954	0.81	10/31/2024
Molybdenum		0.0015		0.509	0.5000	0.0007221	101.6	0.4789	6.03	10/31/2024
Thallium		0.0020		0.267	0.2500	0	106.9	0.2639	1.30	10/31/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230147 SampType: MS Units mg/L

SampleID: 24100635-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.777	1.000	0.0005124	77.7	75	125	11/12/2024
Arsenic		0.0010		0.561	0.5000	0.003115	111.5	75	125	11/01/2024
Barium		0.0010		1.85	2.000	0.05189	90.0	75	125	10/31/2024
Beryllium		0.0010		0.0582	0.0500	0.0004307	115.6	75	125	10/31/2024
Boron		0.0250		3.81	0.5000	3.335	95.2	75	125	10/31/2024
Cadmium		0.0010		0.0525	0.0500	0	105.0	75	125	10/31/2024
Chromium		0.0015		0.238	0.2000	0.01432	112.1	75	125	11/06/2024
Cobalt		0.0010		0.568	0.5000	0.003288	112.9	75	125	11/06/2024
Lead		0.0010		0.570	0.5000	0.004045	113.2	75	125	10/31/2024
Lithium	*	0.0030		0.572	0.5000	0.007794	112.9	75	125	10/31/2024
Molybdenum		0.0015		0.461	0.5000	0.0009294	92.1	75	125	10/31/2024
Selenium		0.0010		0.585	0.5000	0	117.1	75	125	10/31/2024
Thallium		0.0020		0.263	0.2500	0	105.2	75	125	10/31/2024

Batch 230147 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100635-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.796	1.000	0.0005124	79.6	0.7772	2.43	11/12/2024
Arsenic		0.0010		0.559	0.5000	0.003115	111.2	0.5606	0.23	11/01/2024
Barium		0.0010		1.97	2.000	0.05189	95.9	1.852	6.13	10/31/2024
Beryllium		0.0010		0.0593	0.0500	0.0004307	117.7	0.05822	1.78	10/31/2024
Boron		0.0250		3.86	0.5000	3.335	105.6	3.811	1.37	10/31/2024
Cadmium		0.0010		0.0553	0.0500	0	110.7	0.05250	5.24	10/31/2024
Chromium		0.0015		0.247	0.2000	0.01432	116.3	0.2385	3.50	11/06/2024
Cobalt		0.0010		0.584	0.5000	0.003288	116.2	0.5676	2.91	11/06/2024
Lead		0.0010		0.587	0.5000	0.004045	116.6	0.5702	2.95	10/31/2024
Lithium	*	0.0030		0.578	0.5000	0.007794	114.1	0.5723	1.07	10/31/2024
Molybdenum		0.0015		0.421	0.5000	0.0009294	83.9	0.4614	9.25	10/31/2024
Selenium		0.0010		0.617	0.5000	0	123.4	0.5853	5.25	10/31/2024
Thallium		0.0020		0.265	0.2500	0	106.1	0.2630	0.84	10/31/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230648 SampType: MBLK Units mg/L

SampID: MBLK-230648

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/05/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/13/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/13/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/13/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/13/2024
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	11/13/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/05/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/13/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/13/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/13/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/09/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/05/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/13/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/13/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/13/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/09/2024

Batch 230648 SampType: LCS Units mg/L

SampID: LCS-230648

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		1.05	1.000	0	105.2	85	115	11/05/2024
Arsenic		0.0010		1.05	1.000	0	105.4	85	115	11/13/2024
Barium		0.0020		4.74	4.000	0	118.6	80	120	11/13/2024
Beryllium		0.0010		0.104	0.1000	0	103.6	85	115	11/13/2024
Boron	*	0.0250		0.978	1.000	0	97.8	85	115	11/13/2024
Cadmium		0.0010		0.108	0.1000	0	107.7	85	115	11/05/2024
Cadmium		0.0010		0.103	0.1000	0	102.9	85	115	11/13/2024
Chromium		0.0015		0.425	0.4000	0	106.2	85	115	11/13/2024
Cobalt		0.0010		0.879	1.000	0	87.9	85	115	11/13/2024
Lead		0.0010	E	1.03	1.000	0	103.1	85	115	11/05/2024
Lithium	*	0.0030		1.06	1.000	0	105.7	80	120	11/13/2024
Molybdenum		0.0015		1.14	1.000	0	113.9	80	120	11/13/2024
Selenium		0.0010		1.02	1.000	0	102.3	85	115	11/13/2024
Thallium		0.0020		0.512	0.5000	0	102.3	85	115	11/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230648 SampType: MS Units mg/L

SampleID: 24100001-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		1.12	1.000	0.0008266	112.0	75	125	11/12/2024
Beryllium		0.0010		0.118	0.1000	0	117.8	75	125	11/12/2024
Boron		0.0250		1.17	1.000	0.009906	115.7	75	125	11/12/2024
Cadmium		0.0010		0.115	0.1000	0.0001852	114.5	75	125	11/12/2024
Chromium		0.0015		0.405	0.4000	0.002346	100.8	75	125	11/13/2024
Cobalt		0.0010		0.912	1.000	0.001498	91.0	75	125	11/12/2024
Lead		0.0010		1.10	1.000	0	110.0	75	125	11/09/2024
Lithium	*	0.0030		1.06	1.000	0.006638	105.3	75	125	11/13/2024
Molybdenum		0.0015		1.17	1.000	0.005940	116.7	75	125	11/13/2024
Selenium		0.0010		1.10	1.000	0.0007882	109.6	75	125	11/12/2024
Thallium		0.0020		0.537	0.5000	0	107.5	75	125	11/09/2024

Batch 230648 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100001-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		1.10	1.000	0.0008266	110.1	1.121	1.74	11/12/2024
Beryllium		0.0010		0.114	0.1000	0	114.3	0.1178	3.02	11/12/2024
Boron		0.0250		1.13	1.000	0.009906	112.2	1.167	3.06	11/12/2024
Cadmium		0.0010		0.110	0.1000	0.0001852	109.8	0.1147	4.17	11/12/2024
Chromium		0.0015		0.404	0.4000	0.002346	100.5	0.4055	0.26	11/13/2024
Cobalt		0.0010		0.900	1.000	0.001498	89.9	0.9115	1.26	11/12/2024
Lead		0.0010		1.08	1.000	0	108.3	1.100	1.53	11/09/2024
Lithium	*	0.0030		1.05	1.000	0.006638	104.5	1.059	0.73	11/13/2024
Molybdenum		0.0015		1.16	1.000	0.005940	115.3	1.173	1.25	11/13/2024
Selenium		0.0010		1.07	1.000	0.0007882	107.1	1.096	2.26	11/12/2024
Thallium		0.0020		0.528	0.5000	0	105.6	0.5373	1.72	11/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 230648 SampType: MS Units mg/L

SampleID: 24100001-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		1.10	1.000	0.003658	110.1	75	125	11/12/2024
Beryllium		0.0010		0.113	0.1000	0.0005454	112.9	75	125	11/12/2024
Boron		0.0250		2.06	1.000	0.9447	111.9	75	125	11/12/2024
Cadmium		0.0010		0.104	0.1000	0.0002374	103.6	75	125	11/12/2024
Chromium		0.0015		0.473	0.4000	0.02670	111.6	75	125	11/12/2024
Cobalt		0.0010		0.899	1.000	0.003790	89.5	75	125	11/12/2024
Lead		0.0010		1.13	1.000	0.001916	113.2	75	125	11/09/2024
Lithium	*	0.0030		1.07	1.000	0.02243	104.6	75	125	11/13/2024
Molybdenum		0.0015	E	1.27	1.000	0.1420	112.8	75	125	11/13/2024
Selenium		0.0010		1.04	1.000	0.003275	103.3	75	125	11/12/2024
Thallium		0.0020		0.545	0.5000	0	109.1	75	125	11/09/2024

Batch 230648 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 24100001-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		1.12	1.000	0.003658	111.6	1.104	1.43	11/13/2024
Beryllium		0.0010		0.110	0.1000	0.0005454	109.1	0.1134	3.37	11/13/2024
Boron		0.0250		2.01	1.000	0.9447	106.2	2.064	2.80	11/13/2024
Cadmium		0.0010		0.106	0.1000	0.0002374	105.4	0.1038	1.78	11/13/2024
Chromium		0.0015		0.470	0.4000	0.02670	110.7	0.4731	0.75	11/13/2024
Cobalt		0.0010		0.905	1.000	0.003790	90.1	0.8991	0.67	11/13/2024
Lead		0.0010		1.11	1.000	0.001916	110.5	1.134	2.39	11/09/2024
Lithium	*	0.0030		1.09	1.000	0.02243	107.2	1.069	2.36	11/13/2024
Molybdenum		0.0015	E	1.37	1.000	0.1420	122.8	1.270	7.51	11/13/2024
Selenium		0.0010		1.04	1.000	0.003275	104.0	1.036	0.65	11/13/2024
Thallium		0.0020		0.534	0.5000	0	106.8	0.5453	2.11	11/09/2024

Batch 231150 SampType: MBLK Units mg/L

SampleID: MBLK-231150

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/15/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/14/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/14/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/14/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/14/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

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

Batch 231150		SampType: LCS		Units mg/L						
SampID: LCS-231150										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.19	1.000	0	119.2	80	120	11/15/2024
Arsenic		0.0010		1.04	1.000	0	103.7	80	120	11/14/2024
Barium		0.0010		4.77	4.000	0	119.3	80	120	11/14/2024
Boron		0.0250		1.09	1.000	0	108.7	80	120	11/14/2024
Cobalt		0.0010		1.15	1.000	0	115.0	80	120	11/14/2024
Iron		0.0250		4.04	4.000	0	101.0	80	120	11/14/2024

Batch 231150		SampType: MS		Units mg/L						
SampID: 24100001-014BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	SE	1.38	1.000	0	138.1	75	125	11/15/2024
Barium		0.0010		4.76	4.000	0.1666	114.7	75	125	11/14/2024

Batch 231150		SampType:	MSD	Units mg/L					RPD Limit 20		
SampID: 24100001-014BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010	SE	1.41	1.000	0	140.9	1.381	1.95	11/15/2024	
Barium		0.0010		4.80	4.000	0.1666	115.8	4.756	0.88	11/14/2024	

Batch 231150		SampType: MS		Units mg/L						
SampID: 24100001-022BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.912	1.000	0.003322	90.9	75	125	11/15/2024
Barium		0.0010		4.68	4.000	0.1666	112.8	75	125	11/14/2024

Batch 231150		SampType:	MSD	Units mg/L					RPD Limit 20		
SampID: 24100001-022BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			0.0010		0.894	1.000	0.003322	89.1	0.9122	1.99	11/15/2024
Barium			0.0010		4.71	4.000	0.1666	113.7	4.680	0.73	11/14/2024

SW-846 7470A (TOTAL)

Batch 229867		SampType: MBLK		Units mg/L							
SampID: MBLK-229867											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	10/18/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW-846 7470A (TOTAL)

Batch 229867		SampType: LCS		Units mg/L							
SampID: LCS-229867											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00491	0.0050	0	98.2	85	115	10/18/2024	

Batch 229867		SampType: MS		Units mg/L							
SampID: 24100001-006CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00542	0.0050	0	108.4	75	125	10/18/2024	

Batch 229867		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-006CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00526	0.0050	0	105.3	0.005418	2.88	10/18/2024	

Batch 229867		SampType: MS		Units mg/L						
SampID: 24100001-030BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00453	0.0050	0	90.6	75	125	10/18/2024

Batch 229867		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-030BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00445	0.0050	0	88.9	0.004529	1.84	10/18/2024	

Batch 229870		SampType: MBLK		Units mg/L							
SampID: MBLK-229870											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	10/18/2024	

Batch 229870		SampType: LCS		Units mg/L							
SampID: LCS-229870											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00473	0.0050	0	94.6	85	115	10/18/2024	

Batch 229870		SampType: MS		Units mg/L							
SampID: 24100001-051BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.00020		0.00486	0.0050	0	97.3	75	125	10/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW-846 7470A (TOTAL)

Batch 229870		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-051BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00478	0.0050	0	95.6	0.004865	1.76	10/18/2024	

Batch 229870		SampType: MS		Units mg/L							
SampID: 24101395-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00469	0.0050	0	93.8	75	125	10/18/2024	

Batch 229870		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101395-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00448	0.0050	0	89.5	0.004688	4.60	10/18/2024

Batch 229905		SampType: MBLK		Units mg/L							
SampID: MBLK-229905											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	10/21/2024	

Batch 229905		SampType: LCS		Units mg/L							
SampID: LCS-229905											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00480	0.0050	0	96.0	85	115	10/21/2024	

Batch 229905		SampType: MS		Units mg/L							
SampID: 24100001-013BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00542	0.0050	0	108.4	75	125	10/22/2024	

Batch 229905		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-013BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00536	0.0050	0	107.3	0.005418	1.00	10/22/2024

Batch 230651		SampType: MBLK		Units mg/L							
SampID: MBLK-230651											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	11/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

SW-846 7470A (TOTAL)

Batch 230651		SampType: LCS		Units mg/L							
SampID: LCS-230651											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00454	0.0050	0	90.8	85	115	11/05/2024	

Batch 230651		SampType: MS		Units mg/L							
SampID: 24100001-014BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00471	0.0050	0	94.2	75	125	11/05/2024	

Batch 230651		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-014BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00481	0.0050	0	96.1	0.004712	1.96	11/05/2024	

Batch 230651		SampType: MS		Units mg/L							
SampID: 24110123-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00437	0.0050	0	87.4	75	125	11/05/2024	

Batch 230651		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110123-005BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00451	0.0050	0	90.2	0.004372	3.17	11/05/2024	



Receiving Check List

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

Client: Ramboll

Work Order: 24100001

Client Project: BAL-24Q4

Report Date: 06-Dec-24

Carrier: Justin Colp

Received By: LEH

Completed by:

Reviewed by:

On:

On:

14-Oct-24

04-Nov-24

Laura E Henson

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 12.1
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☒	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

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

pH strip #96651. - lhenson - 10/14/2024 4:12:25 PM

Additional nitric acid (9964) was needed in MW383, MW384, and PZ170 upon arrival at the laboratory. - lhenson - 10/14/2024 4:12:28 PM

Samples were received on 10/15/24 at 4:48 PM on ice 8.1C LTG #5. pH strip 99651. Additional nitric acid (99964) was needed in MW393 and MW394 upon arrival at the laboratory. - lhenson - 10/16/2024 8:45:27 AM

Samples were received on 10/16/24 at 1615 on ice [11.9C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW304 and MW304 Dup. pH strip #96651. - amberdilallo - 10/17/2024 8:39:16 AM

Samples were received on 10/17/24 at 3:12pm on ice [9.9C - LTG9]. pH strip #99651. - lhenson - 10/17/2024 5:03:17 PM

Samples were filtered and preserved with nitric acid (99964) and left unpreserved for the dissolved parameters upon arrival at the laboratory for sample Field Blank and Equipment Blank1. - lhenson - 10/18/2024 12:26:35 PM

Samples were received on 11/1/24 at 1324 on ice [1.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW358R. pH strip #96651. Date changes per Brett Gillihan. - JD/amberdilallo - 11/1/2024 11:52:44 AM

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

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

Page: 1 of 4

SAMPLE ID
{A-Z, 0-9 / .-}
Sample IDs MUST BE UNIQUE

Added HN03(99964) to Samples LTG10
MW383, MW384, P2170
PH 9.665

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiston Kimberly.Edmiston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.		
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605										
1	MW-304	WT	G				4	2	2							X	X	X	X	X												24100001-017
2	MW-350R	WT	G				4	2	2								X		X	X												24100001-018
3	MW-352	WT	G				3	1	2								X		X	X												24100001-019
4	MW-355	WT	G				4	2	2											X												24100001-020
5	MW-356	WT	G				2	1	1							X		X														24100001-021
6	MW-358R	WT	G				3	1	2							X	X	X	X	X												24100001-022
7	MW-366	WT	G				2	1	1								X		X													24100001-023
8	MW-369	WT	G				2	1	1							X		X														24100001-024
9	MW-370	WT	G				2	1	1							X		X														24100001-025
10	MW-375	WT	G				2	1	1								X		X													24100001-026
11	MW-377	WT	G				2	1	1								X		X													24100001-027
12	MW-382	WT	G	10-14-24	1416 TE		2	1	1							X		X														24100001-028
13	MW-383	WT	G	10-14-24	1341		2	1	1								X		X													24100001-029
14	MW-384	WT	G	10-14-24	1411e A		2	1	1								X		X													24100001-030
15	MW-390	WT	G				2	1	1								X		X													24100001-031
16	MW-391R	WT	G				2	1	1								X		X													24100001-032
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																				
BAL-24Q4 Rev 1				J. Gelp		10-14	1540	Justin Gelp		10/14	1540	Temp in °C: 12.1 Received on ice (Y/N): Y Cooled Cooler (Y/N): Samples intact (Y/N):																				

per Justin Gelp. On 10/14/24

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Cooled Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: Justin Gelp					
DATE Signed (MM/DD/YY): 10-14-24					

LT910

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIRE AIR OTHER TISUE	CODE DW WT WW P SL QL WP AR QT IS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1		J. Gelp		10/14	1540	[Signature]		10/14	1540	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: Justin Gelp	DATE Signed (MM/DD/YY): 10-14-24
SIGNATURE of SAMPLER: [Signature]	

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

Section C
Invoice Information:

Page: 1 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiston Kimberly.Edmiston@vistracorp.com	Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	NPDES	GROUND WATER	DRINKING WATER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	UST	RCRA	OTHER
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	Site Location	IL	
				STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analysis Test	Requester Analysis Interval (min)	Residual Chlorine (Y/N)	Project No. / Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					
1	MW-104DR	WT	G				4	2	2												24100001-001
2	MW-104SR	WT	G				4	2	2												24100001-002
3	MW-150	WT	G	10-15-24	1778		4	2	2												24100001-003
4	MW-151	WT	G				4	2	2												24100001-004
5	MW-152	WT	G				4	2	2												24100001-005
6	MW-153	WT	G				4	2	2												24100001-006
7	MW-154	WT	G				4	2	2												24100001-007
8	MW-155	WT	G				4	2	2												24100001-008
9	MW-192	WT	G	10-15-24	1058		2	1	1												24100001-009
10	MW-193	WT	G	10-15-24	0954		2	1	1												24100001-010
11	MW-195	WT	G				3	1	2												24100001-011
12	MW-196	WT	G				3	1	2												24100001-012
13	MW-197	WT	G				3	1	2												24100001-013
14	MW-198	WT	G				3	1	2												24100001-014
15	MW-252	WT	G				4	2	2												24100001-015
16	MW-253R	WT	G				4	2	2												24100001-016
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS							
BAL-24Q4 Rev 1				J. Colp		10-15	1648	Jmba. Osales				10/15/24	1648	8.1							
MW-195 : collect but hold all analyses pending instruction from Ramboll														#5							

added HNO₃ (99964)
to MW393 and MW394
LH 12/16/24

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL QL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																	
1	MW-304		WT	G				4	2		2							X	X	X	X	X	X								24100001-017		
2	MW-350R		WT	G	10-15-24	1252		4	2		2								X			X	X								24100001-018		
3	MW-352		WT	G				3	1		2								X			X	X								24100001-019		
4	MW-355		WT	G				4	2		2											X									24100001-020		
5	MW-356		WT	G				2	1		1							X		X											24100001-021		
6	MW-358R		WT	G				3	1		2							X	X	X	X	X									24100001-022		
7	MW-366		WT	G	10-15-24	1704		2	1		1								X		X										24100001-023		
8	MW-369		WT	G	10-15-24	1125		2	1		1							X		X											24100001-024		
9	MW-370		WT	G	10-15-24	1356		2	1		1							X		X											24100001-025		
10	MW-375		WT	G				2	1		1								X		X										24100001-026		
11	MW-377		WT	G				2	1		1								X		X										24100001-027		
12	MW-382		WT	G	10-15-24	1332		2	1		1							X		X											24100001-028		
13	MW-383		WT	G				2	1		1								X		X										24100001-029		
14	MW-384		WT	G				2	1		1								X		X										24100001-030		
15	MW-390		WT	G	10-15-24	1146		2	1		1								X		X										24100001-031		
16	MW-391R		WT	G				2	1		1								X		X										24100001-032		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
BAL-24Q4 Rev 1			J. Colp			10-15	1648	Union Carbide			10/15/24	1648						> z															

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER: Justin Colp		DATE Signed (MM/DD/YY): 10-15-24		
SIGNATURE of SAMPLER: [Signature]				
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	BAL-257-601	BAL-257-605		BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE		DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on file (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp							
SIGNATURE of SAMPLER: Justin Colp							
DATE Signed (MM/DD/YY): 10-15-24							

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

Required Client Information:

Required Project Information:

Invoice information:

Page: 4 of 4

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location	IL	
STATE:		

Requested Analysis Filtered (Y/N)

Analysis Test

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: <u>Justin Gelp</u>		Temp in ° Received Ice (Y/N) Custody Sealed Code (Y/N) Samples Intact (Y/N)
SIGNATURE of SAMPLER: <u>[Signature]</u>	DATE Signed (MM/DD/YY): <u>10-15-24</u>	

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

Section C
Invoice Information:

Page: 1 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Invoice Information:			
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Attention: Brian Voelker			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Phone: (217) 753-8911	Fax:	Project Name:		Quote Reference:			
		Project Number:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day				Profile #:		STATE: IL	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓ (Y/N)	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																		
1	MW-104DR	WT G	10-16-24	1029		4	2	2									X														24100001-001										
2	MW-104SR	WT G	10-16-24	1104		4	2	2									X														24100001-002										
3	MW-150	WT G				4	2	2									X		X	X											24100001-003										
4	MW-151	WT G	10-16-24	1020		4	2	2									X		X	X											24100001-004										
5	MW-152	WT G	10-16-24	1231		4	2	2									X		X	X											24100001-005										
6	MW-153	WT G	10-16-24	1147		4	2	2									X		X	X											24100001-006										
7	MW-154	WT G				4	2	2												X											24100001-007										
8	MW-155	WT G				4	2	2												X											24100001-008										
9	MW-192	WT G				2	1	1									X		X												24100001-009										
10	MW-193	WT G				2	1	1									X		X												24100001-010										
11	MW-195	WT G				3	1	2												X											24100001-011										
12	MW-196	WT G				3	1	2												X											24100001-012										
13	MW-197	WT G				3	1	2												X											24100001-013										
14	MW-198	WT G				3	1	2												X											24100001-014										
15	MW-252	WT G	10-16-24	1151		4	2	2									X		X	X											24100001-015										
16	MW-253R	WT G	10-16-24	1215		4	2	2									X		X	X											24100001-016										
ADDITIONAL COMMENTS			RELINQUISHED BY/AFFILIATION			DATE		TIME		ACCEPTED BY/AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																							
BAL-24Q4 Rev 1 MW-195 : collect but hold all analyses pending instruction from Ramboll			J. Colp			10-16		1615		<i>[Signature]</i>				10/16		11615		11/1/24 (✓) Z																							

PH 96651
Add HNO3(99964) to
MW304 and MW304 Dup
24 10/17/24

LTCa5

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

Section C
Invoice information:

Page: 2 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:	IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605									
1	MW-304	WT	G	10-16-24	0933		4	2	2						X	X	X	X	X	X												24100001-017
2	MW-350R	WT	G				4	2	2							X		X	X	X												24100001-018
3	MW-352	WT	G	10-16-24	1118		3	1	2							X		X	X	X												24100001-019
4	MW-355	WT	G	10-16-24	1428		4	2	2											X												24100001-020
5	MW-356	WT	G	10-16-24	1426		2	1	1						X		X															24100001-021
6	MW-358R Dry	WT	G	10/16/24			3	1	2						X	X	X	X	X													24100001-022
7	MW-366	WT	G				2	1	1							X		X														24100001-023
8	MW-369	WT	G				2	1	1						X		X															24100001-024
9	MW-370	WT	G				2	1	1						X		X															24100001-025
10	MW-375	WT	G	10-16-24	1304		2	1	1							X		X														24100001-026
11	MW-377	WT	G	10-16-24	1339		2	1	1							X		X														24100001-027
12	MW-382	WT	G				2	1	1						X		X															24100001-028
13	MW-383	WT	G				2	1	1							X		X														24100001-029
14	MW-384	WT	G				2	1	1							X		X														24100001-030
15	MW-390	WT	G				2	1	1							X		X														24100001-031
16	MW-391R	WT	G				2	1	1							X		X														24100001-032
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION						DATE	TIME	SAMPLE CONDITIONS															
BAL-24Q4 Rev 1				J. Colp			10/16	1615	<i>[Signature]</i>						10/16	1615																
MW-358R dry																																
per Justin Colp &																																
SAMPLER NAME AND SIGNATURE																	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)												
PRINT Name of SAMPLER: Justin Colp																																
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YYYY): 10-16-24																																

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL QL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 10-16-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiston Kimberly.Edmiston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Cole		DATE Signed (MM/DD/YY): 10-16-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Invoice Information:

Page: 1 of 4

[illegible]

SAMPLER NAME AND SIGNATURE		CC	Don			

LT# 1017/29

UTG9

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

Section C
Invoice information:

Page: 3 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIFE WF AIR AR OTHER TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605													
1	MW-392		WT	G				2	1		1								X	X													24100001-033			
2	MW-393		WT	G				2	1		1								X	X													24100001-034			
3	MW-394		WT	G				2	1		1								X	X													24100001-035			
4	OW-156		WT	G				0																									24100001-036			
5	OW-157		WT	G	10-17-24	1302		0																										24100001-037		
6	OW-256		WT	G				2	1		1								X	X														24100001-038		
7	OW-257		WT	G				2	1		1								X	X														24100001-039		
8	PZ-170		WT	G				2	1		1								X	X														24100001-040		
9	PZ-174		WT	G				3	1		2																							24100001-041		
10	PZ-176		WT	G				3	1		2																							24100001-042		
11	PZ-178		WT	G				3	1		2																							24100001-043		
12	PZ-182		WT	G				2	1		1								X	X														24100001-044		
13	TPZ-164		WT	G	10-17-24	1217		2	1		1								X	X														24100001-045		
14	XPW01		WT	G	10-17-24	1154		2	1		1								X	X														24100001-046		
15	XPW05		WT	G	1	1135		2	1		1								X	X														24100001-047		
16	XPW06		WT	G	1	1018		2	1		1								X	X														24100001-048		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILI																															

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Coy					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-17-74				

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

Page: 4 of 4

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-17-74				

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

Page: 1 of 4

REGULATORY AGENCY

SAMPLE ID

(A-Z, 0-9 / , -)
IDS MUST BE UNIQUE

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

MATRIX CODE	(see valid codes to left)
SAMPLE TYPE	(G=GRAB C=COMP)

COLLECTED

[illegible]

Preservatives

Analysis Test#	Y/N

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)

Project No./ Lab I.D.

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE _____

TIME

ACCEPTED BY / AFFILIATION

DATE _____

TIME

SAMPLE CONDITIONS

BAL-24Q4 Rev 1

MAJ-195 : collect but hold all analyses pending instruction from
Ramboll

Handwritten signature and initials in the bottom right corner.

11-1

132

Jacki Bruno

11/124

13:24

12

Y

1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY):

Temp in °C

Received on
Ice (Y/N)Custody
Sealed Cooler

Samples

Add HNO₃ (99964)
to Sample MW 358R

PH 96657

55
11/1/29

* der Brett Gillman. Am 11/1/24

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

Required Client Information:

Required Project Information:

Section C
Invoice Information:

Page: 2 of 4

REGULATORY AGENCYProject No./ Lab I.D.

PRINT Name of SAMPLER:

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER _____

DATE Signed
(MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies, samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test													Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																	
1	MW-392		WT	G				2	1		1						X	BAL-257-601															24100001-033
2	MW-393		WT	G				2	1		1						X	BAL-257-605															24100001-034
3	MW-394		WT	G				2	1		1						X	BAL-845-601															24100001-035
4	OW-156		WT	G				0																		X							24100001-036
5	OW-157		WT	G				0																	X								24100001-037
6	OW-256		WT	G				2	1		1						X	BAL-257-605															24100001-038
7	OW-257		WT	G				2	1		1						X	BAL-257-605															24100001-039
8	PZ-170		WT	G				2	1		1						X	BAL-845-605															24100001-040
9	PZ-174		WT	G				3	1		2														X								24100001-041
10	PZ-176		WT	G				3	1		2														X								24100001-042
11	PZ-178		WT	G				3	1		2														X								24100001-043
12	PZ-182		WT	G				2	1		1						X	BAL-257-601															24100001-044
13	TPZ-164		WT	G				2	1		1						X	BAL-257-605															24100001-045
14	XPW01		WT	G				2	1		1						X	BAL-845-605															24100001-046
15	XPW05		WT	G				2	1		1						X	BAL-NE-605															24100001-047
16	XPW06		WT	G				2	1		1						X	BAL-WPCP-605															24100001-048
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																
BAL-24Q4 Rev 1			[Signature]			11-1		1324		[Signature]			11/1/24		13:24						Y				Z								

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

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

Invoice information:

Page: 4 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	NPDES	GROUND WATER	DRINKING WATER
Phone: (217) 753-8911 Fax:		Project Name:	Project Manager:	UST	RCRA	OTHER
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	Site Location	IL	
				STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Residual Chlorine (Y/N)	Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other									
																				BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605
1	Field Blank		WT	G				4	3	1							X	X	X	X	X	X			24100001-049
2	MW-304 Duplicate		WT	G				4	2	2							X	X	X	X	X	X			24100001-050
3	PZ-178 Duplicate		WT	G				3	1	2											X				24100001-051
4	Equipment Blank 1		WT	G				4	3	1							X	X	X	X	X	X			24100001-052
5	Equipment Blank 2		WT	G				4	3	1							X	X	X	X	X	X			24100001-053
6	Equipment Blank 3		WT	G				4	3	1							X	X	X	X	X	X			24100001-054
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS														
BAL-24Q4 Rev 1			S. J. SO		11-1	1324	Joshua Davis		11/1/24	13:24	Y N														
SAMPLER NAME AND SIGNATURE											Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)											
PRINT Name of SAMPLER:																									
SIGNATURE of SAMPLER:																									
DATE Signed (MM/DD/YY):																									

December 05, 2024

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



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

RE: BAL-24Q4

WorkOrder: 24100002

Dear Eric Bauer:

TEKLAB, INC received 41 samples on 11/1/2024 1:24:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 24100002

Client Project: BAL-24Q4

Report Date: 05-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	46
Receiving Check List	48
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 24100002**Client Project:** BAL-24Q4**Report Date:** 05-Dec-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24100002

Client Project: BAL-24Q4

Report Date: 05-Dec-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24100002

Client Project: BAL-24Q4

Report Date: 05-Dec-24

Cooler Receipt Temp: 12.1 °C

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

MW-195 was collected but not analyzed per Ramboll's request.

MW-391R could not be collected; the well was dry.

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

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24100002

Client Project: BAL-24Q4

Report Date: 05-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-001
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-150
Collection Date: 10/15/2024 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:07	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-002
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-151
Collection Date: 10/16/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-003
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-152
Collection Date: 10/16/2024 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-004
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-153
Collection Date: 10/16/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-005
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-192
Collection Date: 10/15/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-006
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-193
Collection Date: 10/15/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-008
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-196
Collection Date: 10/17/2024 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-009
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-197
Collection Date: 10/17/2024 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-010
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-198
Collection Date: 11/01/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/21/2024 14:56	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-011
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-252
Collection Date: 10/16/2024 11:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:08	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-012
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-253R
Collection Date: 10/16/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:09	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-013
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-304
Collection Date: 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:09	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-014
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-350R
Collection Date: 10/15/2024 12:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:09	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-015
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-352
Collection Date: 10/16/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:09	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-016
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-356
Collection Date: 10/16/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:09	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-017
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-358R
Collection Date: 11/01/2024 11:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/21/2024 14:56	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-018
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-366
Collection Date: 10/15/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-019
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-369
Collection Date: 10/15/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-020
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-370
Collection Date: 10/15/2024 13:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-021
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-375
Collection Date: 10/16/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-022
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-377
Collection Date: 10/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/21/2024 14:55	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-023
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-382
Collection Date: 10/15/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-024
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-383
Collection Date: 10/14/2024 13:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-025
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-384
Collection Date: 10/14/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:10	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-026
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-390
Collection Date: 10/15/2024 11:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:11	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24100002
Client Project: BAL-24Q4	Report Date: 05-Dec-24
Lab ID: 24100002-028	Client Sample ID: MW-392
Matrix: GROUNDWATER	Collection Date: 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 12:11	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-029
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-393
Collection Date: 10/15/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:22	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-030
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-394
Collection Date: 10/15/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:21	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24100002
Client Project: BAL-24Q4	Report Date: 05-Dec-24
Lab ID: 24100002-031	Client Sample ID: OW-256
Matrix: GROUNDWATER	Collection Date: 10/15/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:22	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-032
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: OW-257
Collection Date: 10/14/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:23	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24100002
Client Project: BAL-24Q4	Report Date: 05-Dec-24
Lab ID: 24100002-033	Client Sample ID: PZ-170
Matrix: GROUNDWATER	Collection Date: 10/14/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:24	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-034
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: PZ-174
Collection Date: 10/15/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:23	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-035
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: PZ-176
Collection Date: 10/15/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:23	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-036
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: PZ-178
Collection Date: 10/15/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:24	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-037
Matrix: GROUNDWATER
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: PZ-182
Collection Date: 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:25	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-038
Matrix: AQUEOUS
Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: Field Blank
Collection Date: 10/17/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/07/2024 17:16	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-039
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: MW-304 Duplicate
Collection Date: 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/08/2024 13:25	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-040
Matrix: GROUNDWATER

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: PZ-178 Duplicate
Collection Date: 10/15/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/07/2024 17:16	R357104



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-24Q4
Lab ID: 24100002-041
Matrix: AQUEOUS

Work Order: 24100002
Report Date: 05-Dec-24
Client Sample ID: Equipment Blank 1
Collection Date: 10/17/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	11/06/2024 13:27	R357104



Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100002-001	MW-150	Groundwater	1	10/15/2024 12:28
24100002-002	MW-151	Groundwater	1	10/16/2024 10:20
24100002-003	MW-152	Groundwater	1	10/16/2024 12:31
24100002-004	MW-153	Groundwater	1	10/16/2024 11:47
24100002-005	MW-192	Groundwater	1	10/15/2024 10:58
24100002-006	MW-193	Groundwater	1	10/15/2024 9:54
24100002-007	MW-195	Groundwater	1	10/17/2024 13:18
24100002-008	MW-196	Groundwater	1	10/17/2024 11:34
24100002-009	MW-197	Groundwater	1	10/17/2024 12:35
24100002-010	MW-198	Groundwater	1	11/01/2024 10:42
24100002-011	MW-252	Groundwater	1	10/16/2024 11:51
24100002-012	MW-253R	Groundwater	1	10/16/2024 12:15
24100002-013	MW-304	Groundwater	1	10/16/2024 9:33
24100002-014	MW-350R	Groundwater	1	10/15/2024 12:52
24100002-015	MW-352	Groundwater	1	10/16/2024 11:18
24100002-016	MW-356	Groundwater	1	10/16/2024 14:26
24100002-017	MW-358R	Groundwater	1	11/01/2024 11:28
24100002-018	MW-366	Groundwater	1	10/15/2024 12:04
24100002-019	MW-369	Groundwater	1	10/15/2024 11:25
24100002-020	MW-370	Groundwater	1	10/15/2024 13:56
24100002-021	MW-375	Groundwater	1	10/16/2024 13:04
24100002-022	MW-377	Groundwater	1	10/16/2024 13:39
24100002-023	MW-382	Groundwater	1	10/15/2024 13:32
24100002-024	MW-383	Groundwater	1	10/14/2024 13:41
24100002-025	MW-384	Groundwater	1	10/14/2024 14:16
24100002-026	MW-390	Groundwater	1	10/15/2024 11:46
24100002-027	MW-391R	Groundwater	1	10/17/2024 0:00
24100002-028	MW-392	Groundwater	1	10/15/2024 10:38
24100002-029	MW-393	Groundwater	1	10/15/2024 10:14
24100002-030	MW-394	Groundwater	1	10/15/2024 9:29
24100002-031	OW-256	Groundwater	1	10/15/2024 11:40
24100002-032	OW-257	Groundwater	1	10/14/2024 13:06
24100002-033	PZ-170	Groundwater	1	10/14/2024 11:44
24100002-034	PZ-174	Groundwater	1	10/15/2024 12:40
24100002-035	PZ-176	Groundwater	1	10/15/2024 13:34
24100002-036	PZ-178	Groundwater	1	10/15/2024 14:31
24100002-037	PZ-182	Groundwater	1	10/15/2024 10:38
24100002-038	Field Blank	Aqueous	1	10/17/2024 13:08
24100002-039	MW-304 Duplicate	Groundwater	1	10/16/2024 9:33



Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100002-040	PZ-178 Duplicate	Groundwater	1	10/15/2024 14:31
24100002-041	Equipment Blank 1	Aqueous	1	10/17/2024 13:31



Receiving Check List

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

Client: Ramboll

Work Order: 24100002

Client Project: BAL-24Q4

Report Date: 05-Dec-24

Carrier: Justin Colp

Received By: LEH

Completed by:

On:

14-Oct-24

Laura E Henson

Reviewed by:

On:

04-Nov-24

Ellie Hopkins

Pages to follow: Chain of custody **14**

Extra pages included **50**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 12.1
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

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

pH strip #96651. - lhenson - 10/14/2024 4:19:45 PM

Additional nitric acid (99964) was needed in PZ-170 and MW-384 upon arrival at the laboratory. - lhenson - 10/14/2024 4:19:47 PM

Samples were received on 10/15/24 at 14:48 PM on ice 8.1C LTG #5. pH strip 99651. Additional nitric acid (99964) was needed in MW-369, MW-393, and MW-394 upon arrival at the laboratory. - lhenson - 10/16/2024 9:23:49 AM

Samples were received on 10/16/24 at 1615 on ice [7.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW304 and MW304 Dup. pH strip #96651. - amberdilallo - 10/17/2024 8:40:46 AM

Samples were received on 10/17/24 at 15.12 on ice 9.9C - LTG#10. - lhenson - 10/18/2024 9:22:21 AM

Samples were received on 11/1/24 at 1324 on ice [1.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW358R. pH strip #96651. Date changes per Brett Gillihan. - JD/amberdilallo - 11/1/2024 11:52:44 AM

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Section C
invoice information:

Page: 1 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

[illegible]

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

added HNO_3 (99964) to PZ170 and MW354 LT910
PAR 96651 LT 10/14/24

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Page: 2 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL CL WIPE WP AIR AR OTHER OT TISSE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Radium 226/228, only		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.						
1	MW-304	WT	G				2			2							X	X	X	X	X	X									24100002-013
2	MW-350R	WT	G				2			2								X		X		X									24100002-014
3	MW-352	WT	G				2			2								X		X		X									24100002-015
4	MW-355	WT	G				0														X										N/A
5	MW-356	WT	G				2			2							X		X												24100002-016
6	MW-358R	WT	G				2			2							X	X	X	X	X										24100002-017
7	MW-366	WT	G				2			2								X		X											24100002-018
8	MW-369	WT	G				2			2							X		X												24100002-019
9	MW-370	WT	G				2			2							X		X												24100002-020
10	MW-375	WT	G				2			2								X		X											24100002-021
11	MW-377	WT	G				2			2								X		X											24100002-022
12	MW-382	WT	G	10-14-24	1416	TF	2			2							X		X												24100002-023
13	MW-383	WT	G	10-14-24	1341		2			2								X		X											24100002-024
14	MW-384	WT	G	10-14-24	1416	Ab	2			2								X		X											24100002-025
15	MW-390	WT	G				2			2								X		X											24100002-026
16	MW-391R	WT	G				2			2								X		X											24100002-027
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																
BAL-24Q4 Rev 1				J. Gelp			10/17	1540	[Signature]				10/17	1540	12.1 Y																

per Justin Corp. Cmn 10/4/94

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: L. J. H. H. G. L.

SIGNATURE of SAMPLER: *Asu*

DATE Signed (MM/DD/YY): 10-17-24

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

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Radium 226/228, only						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605												Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392		WT	G				2			2							X	X														24100002-028			
2	MW-393		WT	G				2			2							X	X														24100002-029			
3	MW-394		WT	G				2			2							X	X														24100002-030			
4	OW-156		WT	G				0																									N/A			
5	OW-157		WT	G				0																									N/A			
6	OW-256		WT	G				2			2							X	X														24100002-031			
7	OW-257		WT	G	10-14-24	1306		2			2							X	X														24100002-032			
8	PZ-170		WT	G	10-14-24	1144		2			2							X	X														24100002-033			
9	PZ-174		WT	G				2			2																						24100002-034			
10	PZ-176		WT	G				2			2																						24100002-035			
11	PZ-178		WT	G				2			2																						24100002-036			
12	PZ-182		WT	G				2			2							X	X														24100002-037			
13	TPZ-164		WT	G				0										X	X														N/A			
14	XPW01		WT	G				0										X	X														N/A			
15	XPW05		WT	G				0										X	X														N/A			
16	XPW06		WT	G				0										X	X														N/A			
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
BAL-24Q4 Rev 1					J Galp			10-14	1540	[Signature]			10/14	1540	x z																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1		J Gelp		10-14	1540	[Signature]		10/14	1540	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:	Justin Gelp
SIGNATURE of SAMPLER:	[Signature]
DATE Signed (MM/DD/YY):	10-14-24

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invoice information:

Page: 1 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL QL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Radium 226/228, only				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other															Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR		WT	G				0									X									N/A						
2	MW-104SR		WT	G				0									X									N/A						
3	MW-150		WT	G	10-15-24	1228		2		2							X		X							24100002-001						
4	MW-151		WT	G				2		2							X		X							24100002-002						
5	MW-152		WT	G				2		2							X		X							24100002-003						
6	MW-153		WT	G				2		2							X		X							24100002-004						
7	MW-154		WT	G				0																		N/A						
8	MW-155		WT	G				0																		N/A						
9	MW-192		WT	G	10-15-24	1058		2		2							X		X							24100002-005						
10	MW-193		WT	G	10-15-24	0954		2		2							X		X							24100002-006						
11	MW-195		WT	G				2		2																24100002-007						
12	MW-196		WT	G				2		2																24100002-008						
13	MW-197		WT	G				2		2																24100002-009						
14	MW-198		WT	G				2		2																24100002-010						
15	MW-252		WT	G				2		2							X		X							24100002-011						
16	MW-253R		WT	G				2		2							X		X							24100002-012						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1	J. Colp	10-15	1648	John Qualls	10/15/14	1648	8.1	>	z	
MW-195 : collect but hold all analyses pending instruction from Ramboll							#5			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Gelp				
SIGNATURE of SAMPLER:	Justin Gelp	DATE Signed (MM/DD/YY):	10-15-24		

PHW 96651
added HND3(99964)
to MW369, MW393, MW394)
LH 10/16/24

24100002

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-Baldwin**
Address: **10901 Baldwin Road**
Baldwin, IL 62217
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: **Sam Davies: samantha.davies@vistracorp.com**
Kim Edmiaston Kimberly.Edmiaston@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 #:

Page: **2** of **4**

Section D Required Client Information				Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)										Radium 226/228, only												
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test											Residual Chlorine (Y/N)	Project No./ Lab I.D.				
																	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605										
1	MW-304	WT	G				2		2							X	X	X	X	X	X											24100002-013
2	MW-350R	WT	G	10-15-24	1252		2		2							X		X		X												24100002-014
3	MW-352	WT	G				2		2							X		X		X												24100002-015
4	MW-355	WT	G				0													X												N/A
5	MW-356	WT	G				2		2							X		X														24100002-016
6	MW-358R	WT	G				2		2							X	X	X	X	X												24100002-017
7	MW-366	WT	G	10-15-24	1204		2		2								X		X													24100002-018
8	MW-369	WT	G	10-15-24	1125		2		2							X		X														24100002-019
9	MW-370	WT	G	10-15-24	1356		2		2							X		X														24100002-020
10	MW-375	WT	G				2		2								X		X													24100002-021
11	MW-377	WT	G				2		2								X		X													24100002-022
12	MW-382	WT	G	10-15-24	1332		2		2							X		X														24100002-023
13	MW-383	WT	G				2		2								X		X													24100002-024
14	MW-384	WT	G				2		2								X		X													24100002-025
15	MW-390	WT	G	10-15-24	1146		2		2								X		X													24100002-026
16	MW-391R	WT	G				2		2								X		X													24100002-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Umba, D. O'Leary	10/15/24	1648			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	10-15-24		

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Invoice information:

Page: 3 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.							
1	MW-392		WT	G	10-15-24	1038		2			2									X	X											24100002-028
2	MW-393		WT	G	10-15-24	1014		2			2									X	X											24100002-029
3	MW-394		WT	G	10-15-24	0929		2			2									X	X											24100002-030
4	OW-156		WT	G				0																		X						N/A
5	OW-157		WT	G				0																		X						N/A
6	OW-256		WT	G	10-15-24	1140		2			2									X	X											24100002-031
7	OW-257		WT	G				2			2									X	X											24100002-032
8	PZ-170		WT	G				2			2									X	X											24100002-033
9	PZ-174		WT	G	10-15-24	1240		2			2															X						24100002-034
10	PZ-176		WT	G	10-15-24	1334		2			2															X						24100002-035
11	PZ-178		WT	G	10-15-24	1431		2			2															X						24100002-036
12	PZ-182		WT	G	10-15-24	1038		2			2									X	X											24100002-037
13	TPZ-164		WT	G				0												X	X											N/A
14	XPW01		WT	G				0												X	X											N/A
15	XPW05		WT	G				0												X	X											N/A
16	XPW06		WT	G				0												X	X											N/A
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																	
BAL-24Q4 Rev 1					J. Gelp			10-15	1648	Umler, Quigley			10/15/24	1148																		
<table border="1"> <thead> <tr> <th colspan="2">SAMPLER NAME AND SIGNATURE</th> <th rowspan="2">Temp in °C</th> <th rowspan="2">Received on loc (Y/N)</th> <th rowspan="2">Custody Sealed Cooler (Y/N</th></tr></thead></table>																		SAMPLER NAME AND SIGNATURE		Temp in °C	Received on loc (Y/N)	Custody Sealed Cooler (Y/N										
SAMPLER NAME AND SIGNATURE		Temp in °C	Received on loc (Y/N)	Custody Sealed Cooler (Y/N																												

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

Invoice Information:

Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRECIPIT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Radium 226/228, only	
		DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl			NaOH	Na ₂ S ₂ O ₃	Methanol	Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605		BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No / Lab I.D.										
1	Field Blank	WT	G						2			2						X	X	X	X	X	X								24100002-038	
2	MW-304 Duplicate	WT	G						2			2						X	X	X	X	X	X								24100002-039	
3	PZ-178 Duplicate	WT	G			10-15-24	1431		2			2											X								24100002-040	
4	Equipment Blank 1	WT	G						2			2						X	X	X	X	X	X								24100002-041	
5	Equipment Blank 2	WT	G						2			2						X	X	X	X	X	X								24100002-042	
6	Equipment Blank 3	WT	G						2			2						X	X	X	X	X	X								24100002-043	
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																		
BAL-24Q4 Rev 1		J. Colp		10-15		1648		Under Oiled = 10/15/24 1648																								
SAMPLER NAME AND SIGNATURE																																
PRINT Name of SAMPLER:														Justin Colp																		
SIGNATURE of SAMPLER:														<i>[Signature]</i>		DATE Signed (MM/DD/YYYY):		10-15-24														
														Temp in °C		Received on Site (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)												

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

Section C
Invoice Information:

Page: 1 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td>STATE:</td> <td></td> <td></td> </tr> </table>			REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:		
REGULATORY AGENCY																					
NPDES	GROUND WATER	DRINKING WATER																			
UST	RCRA	OTHER																			
Site Location	IL																				
STATE:																					
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp																		
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A																		
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:																		
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:																		
Requested Due Date/TAT: 10 day		Project Number:	Profile #:																		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WIPE WP AIR AR OTHER OF TISSUE TS	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Radium 226/228, only	Project No./ Lab I.D.							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605													
1	MW-104DR	WT	G	10-16-24	1029		0																							N/A						
2	MW-104SR	WT	G	10-16-24	1104		0																							N/A						
3	MW-150	WT	G				2		2																					24100002-001						
4	MW-151	WT	G	10-16-24	1020		2		2																					24100002-002						
5	MW-152	WT	G	10-16-24	1231		2		2																					24100002-003						
6	MW-153	WT	G	10-16-24	1147		2		2																					24100002-004						
7	MW-154	WT	G				0																							N/A						
8	MW-155	WT	G				0																							N/A						
9	MW-192	WT	G				2		2																					24100002-005						
10	MW-193	WT	G				2		2																					24100002-006						
11	MW-195	WT	G				2		2																					24100002-007						
12	MW-196	WT	G				2		2																					24100002-008						
13	MW-197	WT	G				2		2																					24100002-009						
14	MW-198	WT	G				2		2																					24100002-010						
15	MW-252	WT	G	10-16-24	1151		2		2																					24100002-011						
16	MW-253R	WT	G	10-16-24	1215		2		2																					24100002-012						
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																				
BAL-24Q4 Rev 1 MW-195 : collect but hold all analyses pending instruction from Ramboll				J. Gelp				10-16	1615	[Signature]				10/16	1615	m ⑥ z																				

PHN 96651
Added HN23(99964)
to MW304 and MW304 Dup
LH 12/17/24

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: Justin Gelp	DATE Signed (MM/DD/YY): 10-16-24				

24100002

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-Baldwin**
Address: **10901 Baldwin Road**
Baldwin, IL 62217
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: **Sam Davies: samantha.davies@vistracorp.com**
Kim Edmiaston Kimberly.Edmiaston@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 #:

Page: **2** of **4**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)										Radium 226/228, only			
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G	10-16-24	0933	2		2						X	X	X	X	X	X		24100002-013
2	MW-350R	WT	G			2		2							X		X	X			24100002-014
3	MW-352	WT	G	10-16-24	1118	2		2							X		X	X			24100002-015
4	MW-355	WT	G	10-16-24	1428	0												X			N/A
5	MW-356	WT	G	10-16-24	1426	2		2						X		X					24100002-016
6	MW-358R	WT	G			2		2						X	X	X	X	X			24100002-017
7	MW-366	WT	G			2		2							X		X				24100002-018
8	MW-369	WT	G			2		2						X		X					24100002-019
9	MW-370	WT	G			2		2						X		X					24100002-020
10	MW-375	WT	G	10-16-24	1304	2		2							X		X				24100002-021
11	MW-377	WT	G	10-16-24	1339	2		2							X		X				24100002-022
12	MW-382	WT	G			2		2						X		X					24100002-023
13	MW-383	WT	G			2		2							X		X				24100002-024
14	MW-384	WT	G			2		2							X		X				24100002-025
15	MW-390	WT	G			2		2							X		X				24100002-026
16	MW-391R	WT	G			2		2							X		X				24100002-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1	J. Galt	10-16	1615	[Signature]	10/16	1615				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Galt				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	10-16-24		

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

Section C
Invoice Information

Page: 3 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location STATE: IL		
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com				
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:				
Phone: (217) 753-8911	Fax:	Project Name:	Quote Reference:			
Requested Due Date/TAT: 10 day		Project Number:	Project Manager:			
		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER OW WATER WT WASTE WATER WW PRODUCT P SCL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.						
1	MW-392		WT	G				2		2									X	X											24100002-028
2	MW-393		WT	G				2		2									X	X											24100002-029
3	MW-394		WT	G				2		2									X	X											24100002-030
4	OW-156		WT	G	10-16-24	1435		0																	X						N/A
5	OW-157		WT	G				0																	X						N/A
6	OW-256		WT	G				2		2									X	X											24100002-031
7	OW-257		WT	G				2		2									X	X											24100002-032
8	PZ-170		WT	G				2		2									X	X											24100002-033
9	PZ-174		WT	G				2		2															X						24100002-034
10	PZ-176		WT	G				2		2															X						24100002-035
11	PZ-178		WT	G				2		2															X						24100002-036
12	PZ-182		WT	G				2		2									X	X											24100002-037
13	TPZ-164		WT	G				0											X	X											N/A
14	XPW01		WT	G				0											X	X											N/A
15	XPW05		WT	G				0											X	X											N/A
16	XPW06		WT	G				0											X	X											N/A
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS															
BAL-24Q4 Rev 1					J. Cole		10-16	1615	[Signature]					10/16	1615	> z															

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-16-74				

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Radium 226/228, only
						DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
1	Field Blank	WT G			2		2								X	X	X	X	X	X							24100002-038
2	MW-304 Duplicate	WT G	10-16-24	0933	2		2								X	X	X	X	X	X							24100002-039
3	PZ-178 Duplicate	WT G			2		2																				24100002-040
4	Equipment Blank 1	WT G			2		2								X	X	X	X	X	X							24100002-041
5	Equipment Blank 2	WT G			2		2								X	X	X	X	X	X							24100002-042
6	Equipment Blank 3	WT G			2		2								X	X	X	X	X	X							24100002-043
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615	[Signature]	10-16	1615	Y N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 10-16-24					

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

Page: 1 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)									Residual Chlorine (Y/N)	Radium 226/228, only	Project No./ Lab I.D.							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605													
1	MW-104DR	WT	G			0										X										N/A										
2	MW-104SR	WT	G			0										X										N/A										
3	MW-150	WT	G			2										X		X		X						24100002-001										
4	MW-151	WT	G			2										X		X		X						24100002-002										
5	MW-152	WT	G			2										X		X		X						24100002-003										
6	MW-153	WT	G			2										X		X		X						24100002-004										
7	MW-154	WT	G			0													X							N/A										
8	MW-155	WT	G			0													X							N/A										
9	MW-192	WT	G			2										X		X								24100002-005										
10	MW-193	WT	G			2										X		X								24100002-006										
11	MW-195	WT	G	10-17-24	1318	2													X							24100002-007										
12	MW-196	WT	G	J	1137	2													X							24100002-008										
13	MW-197	WT	G	L	1235	2													X							24100002-009										
14	MW-198 10/18/24	WT	G			2													X							24100002-010										
15	MW-252 BG/EPH	WT	G			2										X		X		X						24100002-011										
16	MW-253R -DTA	WT	G	10-17-24		2										X		X		X						24100002-012										
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS																				
BAL-24Q4 Rev 1 MW-195 : collect but hold all analyses pending instruction from Rambo!					Tina Cantrell		10/17/24	1512	Arch Reed					10/17/24	1512	g.a. ② z																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Calk					
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 10-17-24					

17610

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

Invoice Information:

Page: 3 of

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road Baldwin, IL 62217		Copy To: Sam Davies: samantha.davies@vistracorp.com Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Company Name: Vistra Corp Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	NPDES	GROUND WATER	DRINKING WATER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	UST	RCRA	OTHER
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	Site Location	IL	
				STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)							Radium 226/228, only						
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	Na_2SiO_3	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392		WT	G				2			2					X	X													24100002-028	
2	MW-393		WT	G				2			2					X	X													24100002-029	
3	MW-394		WT	G				2			2					X	X													24100002-030	
4	OW-156		WT	G				0																						N/A	
5	OW-157		WT	G	10-17-24	1302		0																						N/A	
6	OW-256		WT	G				2			2					X	X													24100002-031	
7	OW-257		WT	G				2			2					X	X													24100002-032	
8	PZ-170		WT	G				2			2					X	X													24100002-033	
9	PZ-174		WT	G				2			2																			24100002-034	
10	PZ-176		WT	G				2			2																			24100002-035	
11	PZ-178		WT	G				2			2																			24100002-036	
12	PZ-182		WT	G				2			2					X	X													24100002-037	
13	TPZ-164		WT	G	10-17-24	1217		0								X	X													N/A	
14	XPW01		WT	G	I	1054		0								X	X													N/A	
15	XPW05		WT	G	I	1131		0								X	X													N/A	
16	XPW06		WT	G	I	1018		0								X	X													N/A	
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																		
BAL-24Q4 Rev 1					Dany Lazzell		10/17/24	1512	Trish Reed		10/17/24	1512	> z																		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN COLE				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10-17-24				

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

Required Client Information:

Required Project Information:

Invoice Information:

Page: 4 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)												Radium 226/228, only			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.								
1	Field Blank		WT	G	10-17-24	1308		2			2										X	X	X	X	X	X							24100002-038
2	MW-304 Duplicate		WT	G				2			2										X	X	X	X	X	X							24100002-039
3	PZ-178 Duplicate		WT	G				2			2															X						24100002-040	
4	Equipment Blank 1		WT	G	10-17-24	1331		2			2										X	X	X	X	X	X							24100002-041
5	Equipment Blank 2		WT	G				2			2										X	X	X	X	X	X							24100002-042
6	Equipment Blank 3		WT	G				2			2										X	X	X	X	X	X							24100002-043
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION					DATE		TIME		ACCEPTED BY / AFFILIATION					DATE		TIME		SAMPLE CONDITIONS										
BAL-24Q4 Rev 1					Jim [Signature]					10/17/24		1512		[Signature]					10/17/24		1512		> <										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Cole</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>10-17-24</i>				

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

Page: 1 of 4

[illegible]

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																	
BAL-24Q4 Rev 1 MW-195 : collect but hold all analyses pending instruction from Ramboll		[Signature]		11-1	1324	[Signature]		11/1/24	13:24	1.3	>	=															
										5																	
Added HNO3 (99964) 2 Sample HNO3 25%																											
														SAMPLER NAME AND SIGNATURE													
														PRINT Name of SAMPLER:													
SIGNATURE of SAMPLER:																											
DATE Signed (MM/DD/YY):																											
Temp in °C																											
Received on ice (Y/N)																											
Custody Sealed Cooler (Y/N)																											
Samples Intact (Y/N)																											

H 96651

JD
11/1/29

* per Brett Gillman. On 11/1/24

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

Page: 2 of 4

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

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiston Kimberly.Edmiston@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Radium 226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1		[Signature]		11-1	13:24	[Signature]		11/1/24	13:24	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: SIGNATURE of SAMPLER:										DATE Signed (MM/DD/YY):			

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

Required Client Information:

Required Project Information:

Section C
Invoice Information:

Page: 4 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE	(see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analysis Test	Residual Chlorine (Y/N)	Project No./ Lab I.D.						
						DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other										
1	Field Blank		WT	G					2			2					X	X	X	X	X	X					24100002-038
2	MW-304 Duplicate		WT	G					2			2					X	X	X	X	X	X					24100002-039
3	PZ-178 Duplicate		WT	G					2			2									X						24100002-040
4	Equipment Blank 1		WT	G					2			2					X	X	X	X	X	X					24100002-041
5	Equipment Blank 2		WT	G					2			2					X	X	X	X	X	X					24100002-042
6	Equipment Blank 3		WT	G					2			2					X	X	X	X	X	X					24100002-043
7																											
8																											
9																											
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15																											
16																											
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS										
BAL-24Q4 Rev 1			[Signature]			11-1		1324		[Signature]			11/1/24		13:24		> z										

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2024 6:24:48 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24100002

JOB NUMBER

160-55882-1

Job Notes

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

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

Authorization



Generated
12/4/2024 6:24:48 PM

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-55882-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-55882-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24100002

Report Number: 160-55882-1

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

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

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

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

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

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

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

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

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

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

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

Receipt

The samples were received on 10/18/2024 1:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 5 coolers at receipt time were 18.2°C, 18.2°C, 19.3°C, 19.5°C and 20.7°C.

The client requested sample -007 be placed on hold.

Client dropped off samples -010 and -017 on 11/4/2024, to be added to existing job 160-55882. The incorrect chain-of-custody (COC) was dropped off with the samples. The client emailed the updated COC with the correct sample ID's. The original COC dropped with the samples will be included with the final report for relinquished/receipt signature documentation. Additionally, it was determined that sample -022 was inadvertently placed on hold in error. The sample was taken off hold and will be analyzed with samples -010 and -017, with the turn-around-time starting over from 11/4/2024. The email is included with the final report for documentation and reference.

Method 903.0 - Radium-226 (GFPC)

Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-55882-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-55882-1 (Continued)

Eurofins St. Louis

(160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Radium-226 (GFPC). The samples were prepared on 10/22/2024 and 11/5/2024 and analyzed on 11/13/2024, 11/14/2024, 11/20/2024, 11/24/2024 and 11/27/2024.

Method 904.0 - Radium-228 (GFPC)

Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019 (160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Radium-228 (GFPC). The samples were prepared on 10/22/2024 and 11/5/2024 and analyzed on 11/6/2024, 11/7/2024, 11/8/2024 and 11/21/2024.

Batch 160-684534:

The detection goal was not met for the following samples due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-008 (160-55882-8) and 24100002-009 (160-55882-9). Analytical results are reported with the detection limit achieved.

Batch 160-684538:

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24100002-023 (160-55882-21). Analytical results are reported with the detection limit achieved.

The detection goal was not met for the following samples. The samples and batch QC were prepped at full volume. Matrix interferences are suspected because the method blank achieved the detection goal demonstrating acceptable sample preparation and instrument performance: 24100002-029 (160-55882-26), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30) and 24100002-035 (160-55882-32). Analytical results are reported with the detection limit achieved.

Batch 160-686862:

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 24100002-017 (160-55882-40)

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

Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019 (160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/2/2024 and 12/4/2024.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: QC Level:

Comments: **Please issue reports and invoices via email only**
 Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
 Method changes require Teklab authorization. Samples collected from an IL site.
 Batch QC is required for all analyses requested. Vistra-EDD requested.

Email:

Contact: Elizabeth Hurley

Billing/PO: 37147

Requested Due Date: Standard TAT

Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Ra226/228 Radium 226 Radium 228



160-55882 Chain of Custody

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24100002-001	10/15/24 12:28pm	HNO3	Groundwater
	24100002-002	10/16/24 10:20am	HNO3	Groundwater
	24100002-003	10/16/24 12:31pm	HNO3	Groundwater
	24100002-004	10/16/24 11:47am	HNO3	Groundwater
	24100002-005	10/15/24 10:58am	HNO3	Groundwater
	24100002-006	10/15/24 9:54am	HNO3	Groundwater
	24100002-007	10/17/24 1:18pm	HNO3	Groundwater
	24100002-008	10/17/24 11:34am	HNO3	Groundwater
	24100002-009	10/17/24 12:35pm	HNO3	Groundwater
	24100002-011	10/16/24 11:51am	HNO3	Groundwater
			HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	10/18/24 / 12:07	<i>[Signature]</i>	10/18/24 / 12:07

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

SubCocRevA
3/2/2016

PLEASE NOTE:

[illegible][illegible]

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	10/18/24 1307	<i>[Signature]</i>	10/18/24 1307
<i>[Signature]</i>	10/18/24 1355	<i>[Signature]</i>	10/18/24 1355

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

Project#: 24100002

Comments: **Please issue reports and invoices via email only**
 Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
 Method changes require Teklab authorization. Samples collected from an IL site.
 Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
 Requested Due Date: Standard TAT Billing/PO: 37147

Phone: (618) 344-1004 ext. 33
Please add to original workorder and PO. Thanks

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24100002-001	11/1/24 1042	HNO3	Groundwater
	24100002-002	11/1/24 1128	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater

Ra226/228 ☒ Radium 226 ☐ Radium 228 ☐



*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/4/24 / 1100	<i>[Signature]</i>	11/4/24 / 1100

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Project# 24100002

Comments: Please Issue reports and invoices via email only
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 37147

Phone: (618) 344-1004 ext. 33

Please add to original workorder and PO. Thanks

PLEASE NOTE:

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

ERH 11/1/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24100002-001-010	11/1/24 1042	HNO3	Groundwater	☒														
	24100002-002-017	11/1/24 1128	HNO3	Groundwater	☒														
			HNO3	Groundwater															
			HNO3	Groundwater															
			HNO3	Groundwater															
			HNO3	Groundwater															
			HNO3	Aqueous															
			HNO3	Aqueous															
			HNO3	Aqueous															
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
Uma Gable	11/4/24		

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Monday, November 4, 2024 2:10 PM
To: Erika Jordan
Subject: RE: Teklab WO# 24100002 (corrected COC)

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Hi, Erika,

These samples should have been delivered to Eurofins, today. It should be 24100002-010 and 24100002-017. They were dry when we were at the site mid-October, but we were able to get volume on 11/1. They client wants the site on a single Teklab report which is why it's under the same WO# and PO#. If you're able to add them to 160-55882, that would be helpful.

24100002-007 should not be analyzed; they want us to collect but not report.

24100002-022 shouldn't have had any marking; it was good to run from the start.

24100002-027 was dry, so you shouldn't have that one on the list at all.

My apologies for the confusion.

Thanks,

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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From: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Sent: Monday, November 4, 2024 1:04 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: RE: Teklab WO# 24100002 (corrected COC)

Hi Elizabeth!

Were these samples dropped off today?

Are you talking about samples 24100002-007 and 24100002-022?

If so, do you want them added to the existing job; 160-55882 or logged into their own job?

Thank you!

Erika Jordan-Smith
Senior Project Manager

Phone: 314-787-8225
E-mail: Erika.Jordan@ET.EurofinsUS.com

Note: A 10 business day lead time is appreciated for all bottle order requests. Expedited requests are subject to approval by the lab and will be billed accordingly. Please ask your Project Manager for more details.

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Monday, November 4, 2024 12:57 PM
To: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Subject: Teklab WO# 24100002 (corrected COC)

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Hi, Erika,

Teklab's field team resampled for WO# 24100002 and got volume for 2 wells that were previously dry. The COC that accompanied the samples listed them as -001 and -002, in error. The corrected chain of custody (page 5) is attached.

My apologies for the error.

Best,

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55882-1

SDG Number: 24100002

Login Number: 55882

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Samples 39 and 40 were received 11/4/24
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins St. Louis

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-55882-1
SDG: 24100002

Qualifiers

Rad

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

Glossary

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

Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

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

Protocol References:

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

Laboratory References:

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

Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-55882-1
SDG: 24100002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55882-1	24100002-001	Water	10/15/24 12:28	10/18/24 13:55
160-55882-2	24100002-002	Water	10/16/24 10:20	10/18/24 13:55
160-55882-3	24100002-003	Water	10/16/24 12:31	10/18/24 13:55
160-55882-4	24100002-004	Water	10/16/24 11:47	10/18/24 13:55
160-55882-5	24100002-005	Water	10/15/24 10:58	10/18/24 13:55
160-55882-6	24100002-006	Water	10/15/24 09:54	10/18/24 13:55
160-55882-8	24100002-008	Water	10/17/24 11:34	10/18/24 13:55
160-55882-9	24100002-009	Water	10/17/24 12:35	10/18/24 13:55
160-55882-10	24100002-011	Water	10/16/24 11:51	10/18/24 13:55
160-55882-11	24100002-012	Water	10/16/24 12:15	10/18/24 13:55
160-55882-12	24100002-013	Water	10/16/24 09:33	10/18/24 13:55
160-55882-13	24100002-014	Water	10/15/24 12:52	10/18/24 13:55
160-55882-14	24100002-015	Water	10/16/24 11:18	10/18/24 13:55
160-55882-15	24100002-016	Water	10/16/24 14:26	10/18/24 13:55
160-55882-16	24100002-018	Water	10/15/24 12:04	10/18/24 13:55
160-55882-17	24100002-019	Water	10/15/24 11:25	10/18/24 13:55
160-55882-18	24100002-020	Water	10/15/24 13:56	10/18/24 13:55
160-55882-19	24100002-021	Water	10/16/24 13:04	10/18/24 13:55
160-55882-20	24100002-022	Water	10/16/24 13:39	10/18/24 13:55
160-55882-21	24100002-023	Water	10/15/24 13:32	10/18/24 13:55
160-55882-22	24100002-024	Water	10/14/24 13:41	10/18/24 13:55
160-55882-23	24100002-025	Water	10/14/24 14:16	10/18/24 13:55
160-55882-24	24100002-026	Water	10/15/24 11:46	10/18/24 13:55
160-55882-25	24100002-028	Water	10/15/24 10:38	10/18/24 13:55
160-55882-26	24100002-029	Water	10/15/24 10:14	10/18/24 13:55
160-55882-27	24100002-030	Water	10/15/24 09:29	10/18/24 13:55
160-55882-28	24100002-031	Water	10/15/24 11:40	10/18/24 13:55
160-55882-29	24100002-032	Water	10/14/24 13:06	10/18/24 13:55
160-55882-30	24100002-033	Water	10/14/24 11:44	10/18/24 13:55
160-55882-31	24100002-034	Water	10/15/24 12:40	10/18/24 13:55
160-55882-32	24100002-035	Water	10/15/24 13:34	10/18/24 13:55
160-55882-33	24100002-036	Water	10/15/24 14:31	10/18/24 13:55
160-55882-34	24100002-037	Water	10/15/24 10:38	10/18/24 13:55
160-55882-35	24100002-038	Water	10/17/24 13:08	10/18/24 13:55
160-55882-36	24100002-039	Water	10/16/24 09:33	10/18/24 13:55
160-55882-37	24100002-040	Water	10/15/24 14:31	10/18/24 13:55
160-55882-38	24100002-041	Water	10/17/24 13:31	10/18/24 13:55
160-55882-39	24100002-010	Water	11/01/24 10:42	10/18/24 13:55
160-55882-40	24100002-017	Water	11/01/24 11:28	10/18/24 13:55

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-001

Lab Sample ID: 160-55882-1

Date Collected: 10/15/24 12:28

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0873	U	0.0816	0.0820	1.00	0.124	pCi/L	10/22/24 08:15	11/13/24 20:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					10/22/24 08:15	11/13/24 20:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.384	0.384	1.00	0.669	pCi/L	10/22/24 08:20	11/08/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					10/22/24 08:20	11/08/24 12:07	1
Y Carrier	81.9		30 - 110					10/22/24 08:20	11/08/24 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.253	U	0.393	0.393	5.00	0.669	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-002

Lab Sample ID: 160-55882-2

Date Collected: 10/16/24 10:20

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0834	U	0.103	0.104	1.00	0.171	pCi/L	10/22/24 08:15	11/13/24 20:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					10/22/24 08:15	11/13/24 20:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0643	U	0.351	0.351	1.00	0.636	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	75.9		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.148	U	0.366	0.366	5.00	0.636	pCi/L		12/02/24 12:58	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-003

Lab Sample ID: 160-55882-3

Date Collected: 10/16/24 12:31

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.203	U	0.167	0.168	1.00	0.250	pCi/L	10/22/24 08:15	11/13/24 20:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					10/22/24 08:15	11/13/24 20:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.566	U G	0.629	0.631	1.00	1.03	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	78.1		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.768	U	0.651	0.653	5.00	1.03	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-004

Lab Sample ID: 160-55882-4

Date Collected: 10/16/24 11:47

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.590		0.227	0.233	1.00	0.220	pCi/L	10/22/24 08:15	11/13/24 20:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					10/22/24 08:15	11/13/24 20:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.116	U G	0.522	0.523	1.00	1.03	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	84.5		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.590	U	0.569	0.573	5.00	1.03	pCi/L		12/02/24 12:58	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-005

Lab Sample ID: 160-55882-5

Date Collected: 10/15/24 10:58

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0966		0.0661	0.0666	1.00	0.0845	pCi/L	10/22/24 08:15	11/13/24 20:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					10/22/24 08:15	11/13/24 20:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.192	U	0.278	0.279	1.00	0.470	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	81.5		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.288	U	0.286	0.287	5.00	0.470	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-006

Lab Sample ID: 160-55882-6

Date Collected: 10/15/24 09:54

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.203		0.0973	0.0990	1.00	0.113	pCi/L	10/22/24 08:15	11/13/24 20:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					10/22/24 08:15	11/13/24 20:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.247	U	0.277	0.278	1.00	0.452	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	82.6		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.449	U	0.294	0.295	5.00	0.452	pCi/L		12/02/24 12:58	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-008

Lab Sample ID: 160-55882-8

Date Collected: 10/17/24 11:34

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.571		0.284	0.288	1.00	0.336	pCi/L	10/22/24 08:15	11/13/24 20:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	60.0		30 - 110					10/22/24 08:15	11/13/24 20:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.63	U G	1.09	1.11	1.00	1.64	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	60.0		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	81.9		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.20		1.13	1.15	5.00	1.64	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-009

Lab Sample ID: 160-55882-9

Date Collected: 10/17/24 12:35

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.703		0.320	0.326	1.00	0.348	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.9		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14	U G	1.23	1.23	1.00	2.00	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.9		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	81.5		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.84	U	1.27	1.27	5.00	2.00	pCi/L		12/02/24 12:58	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-011

Lab Sample ID: 160-55882-10

Date Collected: 10/16/24 11:51

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0849	U	0.0807	0.0811	1.00	0.124	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.891		0.488	0.495	1.00	0.680	pCi/L	10/22/24 08:20	11/08/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					10/22/24 08:20	11/08/24 12:08	1
Y Carrier	62.1		30 - 110					10/22/24 08:20	11/08/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.976		0.495	0.502	5.00	0.680	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-012

Lab Sample ID: 160-55882-11

Date Collected: 10/16/24 12:15

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.219		0.100	0.102	1.00	0.108	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.406	0.408	1.00	0.638	pCi/L	10/22/24 08:20	11/08/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					10/22/24 08:20	11/08/24 12:09	1
Y Carrier	62.1		30 - 110					10/22/24 08:20	11/08/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.674		0.418	0.421	5.00	0.638	pCi/L		12/02/24 12:58	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-013

Lab Sample ID: 160-55882-12

Date Collected: 10/16/24 09:33

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147		0.0860	0.0871	1.00	0.101	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.435	0.437	1.00	0.717	pCi/L	10/22/24 08:20	11/08/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/22/24 08:20	11/08/24 12:09	1
Y Carrier	72.9		30 - 110					10/22/24 08:20	11/08/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.518	U	0.443	0.446	5.00	0.717	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-014

Lab Sample ID: 160-55882-13

Date Collected: 10/15/24 12:52

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.336		0.122	0.126	1.00	0.116	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.155	U	0.319	0.320	1.00	0.558	pCi/L	10/22/24 08:20	11/08/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					10/22/24 08:20	11/08/24 12:09	1
Y Carrier	78.9		30 - 110					10/22/24 08:20	11/08/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.491	U	0.342	0.344	5.00	0.558	pCi/L		12/02/24 12:58	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-015

Lab Sample ID: 160-55882-14

Date Collected: 10/16/24 11:18

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.392		0.135	0.139	1.00	0.128	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0688	U	0.415	0.415	1.00	0.747	pCi/L	10/22/24 08:20	11/08/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					10/22/24 08:20	11/08/24 12:09	1
Y Carrier	74.8		30 - 110					10/22/24 08:20	11/08/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.461	U	0.436	0.438	5.00	0.747	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-016

Lab Sample ID: 160-55882-15

Date Collected: 10/16/24 14:26

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0467	U	0.0631	0.0632	1.00	0.106	pCi/L	10/22/24 08:15	11/13/24 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110					10/22/24 08:15	11/13/24 20:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0991	U	0.249	0.250	1.00	0.444	pCi/L	10/22/24 08:20	11/08/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110					10/22/24 08:20	11/08/24 12:09	1
Y Carrier	80.0		30 - 110					10/22/24 08:20	11/08/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.146	U	0.257	0.258	5.00	0.444	pCi/L		12/02/24 12:58	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-018

Lab Sample ID: 160-55882-16

Date Collected: 10/15/24 12:04

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0697	U	0.0701	0.0704	1.00	0.110	pCi/L	10/22/24 08:33	11/20/24 21:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/22/24 08:33	11/20/24 21:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0713	U	0.317	0.317	1.00	0.576	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	77.4		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.141	U	0.325	0.325	5.00	0.576	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-019

Lab Sample ID: 160-55882-17

Date Collected: 10/15/24 11:25

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.218		0.115	0.117	1.00	0.152	pCi/L	10/22/24 08:33	11/20/24 21:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.7		30 - 110					10/22/24 08:33	11/20/24 21:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0585	U	0.372	0.372	1.00	0.720	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.7		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	72.9		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.389	0.390	5.00	0.720	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-020

Lab Sample ID: 160-55882-18

Date Collected: 10/15/24 13:56

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.569		0.137	0.146	1.00	0.0920	pCi/L	10/22/24 08:33	11/24/24 05:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					10/22/24 08:33	11/24/24 05:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0262	U	0.334	0.334	1.00	0.629	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	78.1		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.595	U	0.361	0.365	5.00	0.629	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-021

Lab Sample ID: 160-55882-19

Date Collected: 10/16/24 13:04

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.330		0.135	0.138	1.00	0.164	pCi/L	10/22/24 08:33	11/24/24 05:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.9		30 - 110					10/22/24 08:33	11/24/24 05:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.180	U	0.396	0.397	1.00	0.797	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.9		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	75.9		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.330	U	0.418	0.420	5.00	0.797	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-022

Lab Sample ID: 160-55882-20

Date Collected: 10/16/24 13:39

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153		0.0937	0.0947	1.00	0.120	pCi/L	11/05/24 08:14	11/27/24 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/05/24 08:14	11/27/24 07:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.398	0.401	1.00	0.602	pCi/L	11/05/24 08:18	11/21/24 14:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/05/24 08:18	11/21/24 14:55	1
Y Carrier	77.4		30 - 110					11/05/24 08:18	11/21/24 14:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.686		0.409	0.412	5.00	0.602	pCi/L		12/02/24 17:11	1

Client Sample ID: 24100002-023

Lab Sample ID: 160-55882-21

Date Collected: 10/15/24 13:32

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.163	0.165	1.00	0.211	pCi/L	10/22/24 08:33	11/24/24 05:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/22/24 08:33	11/24/24 05:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0346	U G	0.688	0.688	1.00	1.27	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	75.1		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.335	U	0.707	0.708	5.00	1.27	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-024

Lab Sample ID: 160-55882-22

Date Collected: 10/14/24 13:41

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0418	U	0.0527	0.0529	1.00	0.0871	pCi/L	10/22/24 08:33	11/24/24 05:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					10/22/24 08:33	11/24/24 05:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.339	U	0.380	0.381	1.00	0.622	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	77.4		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.381	U	0.384	0.385	5.00	0.622	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-025

Lab Sample ID: 160-55882-23

Date Collected: 10/14/24 14:16

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0302	U	0.0426	0.0427	1.00	0.0724	pCi/L	10/22/24 08:33	11/24/24 05:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					10/22/24 08:33	11/24/24 05:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0421	U	0.299	0.299	1.00	0.578	pCi/L	10/22/24 08:39	11/08/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					10/22/24 08:39	11/08/24 12:10	1
Y Carrier	76.6		30 - 110					10/22/24 08:39	11/08/24 12:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0302	U	0.302	0.302	5.00	0.578	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-026

Lab Sample ID: 160-55882-24

Date Collected: 10/15/24 11:46

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.219		0.0934	0.0955	1.00	0.101	pCi/L	10/22/24 08:33	11/24/24 05:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					10/22/24 08:33	11/24/24 05:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.175	U	0.344	0.344	1.00	0.601	pCi/L	10/22/24 08:39	11/08/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					10/22/24 08:39	11/08/24 12:11	1
Y Carrier	73.6		30 - 110					10/22/24 08:39	11/08/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.394	U	0.356	0.357	5.00	0.601	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-028

Lab Sample ID: 160-55882-25

Date Collected: 10/15/24 10:38

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109		0.0684	0.0691	1.00	0.0906	pCi/L	10/22/24 08:33	11/24/24 05:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					10/22/24 08:33	11/24/24 05:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.264	U	0.296	0.297	1.00	0.621	pCi/L	10/22/24 08:39	11/08/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					10/22/24 08:39	11/08/24 12:11	1
Y Carrier	81.1		30 - 110					10/22/24 08:39	11/08/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.109	U	0.304	0.305	5.00	0.621	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-029

Lab Sample ID: 160-55882-26

Date Collected: 10/15/24 10:14

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0724	U	0.0614	0.0618	1.00	0.0900	pCi/L	10/22/24 08:33	11/24/24 05:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					10/22/24 08:33	11/24/24 05:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.153	U G	0.565	0.566	1.00	1.07	pCi/L	10/22/24 08:39	11/08/24 13:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					10/22/24 08:39	11/08/24 13:22	1
Y Carrier	66.9		30 - 110					10/22/24 08:39	11/08/24 13:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0724	U	0.568	0.569	5.00	1.07	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-030

Lab Sample ID: 160-55882-27

Date Collected: 10/15/24 09:29

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173		0.0808	0.0823	1.00	0.0891	pCi/L	10/22/24 08:33	11/24/24 05:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					10/22/24 08:33	11/24/24 05:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.361	U	0.520	0.521	1.00	0.876	pCi/L	10/22/24 08:39	11/08/24 13:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					10/22/24 08:39	11/08/24 13:21	1
Y Carrier	71.0		30 - 110					10/22/24 08:39	11/08/24 13:21	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.534	U	0.526	0.527	5.00	0.876	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-031

Lab Sample ID: 160-55882-28

Date Collected: 10/15/24 11:40

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112		0.0707	0.0714	1.00	0.0907	pCi/L	10/22/24 08:33	11/24/24 05:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					10/22/24 08:33	11/24/24 05:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.288	U G	0.603	0.604	1.00	1.05	pCi/L	10/22/24 08:39	11/08/24 13:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					10/22/24 08:39	11/08/24 13:22	1
Y Carrier	61.7		30 - 110					10/22/24 08:39	11/08/24 13:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.400	U	0.607	0.608	5.00	1.05	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-032

Lab Sample ID: 160-55882-29

Date Collected: 10/14/24 13:06

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.470		0.128	0.135	1.00	0.0868	pCi/L	10/22/24 08:33	11/24/24 05:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.2		30 - 110					10/22/24 08:33	11/24/24 05:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.490	U G	0.853	0.855	1.00	1.46	pCi/L	10/22/24 08:39	11/08/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.2		30 - 110					10/22/24 08:39	11/08/24 13:23	1
Y Carrier	60.9		30 - 110					10/22/24 08:39	11/08/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.960	U	0.863	0.866	5.00	1.46	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-033

Lab Sample ID: 160-55882-30

Date Collected: 10/14/24 11:44

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0880	U	0.0715	0.0720	1.00	0.105	pCi/L	10/22/24 08:33	11/24/24 05:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					10/22/24 08:33	11/24/24 05:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.484	U G	0.683	0.685	1.00	1.15	pCi/L	10/22/24 08:39	11/08/24 13:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					10/22/24 08:39	11/08/24 13:24	1
Y Carrier	71.4		30 - 110					10/22/24 08:39	11/08/24 13:24	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.572	U	0.687	0.689	5.00	1.15	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-034

Lab Sample ID: 160-55882-31

Date Collected: 10/15/24 12:40

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0494	U	0.0588	0.0590	1.00	0.0959	pCi/L	10/22/24 08:33	11/24/24 05:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					10/22/24 08:33	11/24/24 05:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.596	U	0.580	0.582	1.00	0.931	pCi/L	10/22/24 08:39	11/08/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					10/22/24 08:39	11/08/24 13:23	1
Y Carrier	74.4		30 - 110					10/22/24 08:39	11/08/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.645	U	0.583	0.585	5.00	0.931	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-035

Lab Sample ID: 160-55882-32

Date Collected: 10/15/24 13:34

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101		0.0608	0.0615	1.00	0.0700	pCi/L	10/22/24 08:33	11/24/24 05:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					10/22/24 08:33	11/24/24 05:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.364	U G	0.601	0.602	1.00	1.02	pCi/L	10/22/24 08:39	11/08/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					10/22/24 08:39	11/08/24 13:23	1
Y Carrier	69.2		30 - 110					10/22/24 08:39	11/08/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.466	U	0.604	0.605	5.00	1.02	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-036

Lab Sample ID: 160-55882-33

Date Collected: 10/15/24 14:31

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.238		0.0971	0.0994	1.00	0.105	pCi/L	10/22/24 08:33	11/24/24 05:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/22/24 08:33	11/24/24 05:49	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0460	U	0.545	0.545	1.00	1.00	pCi/L	10/22/24 08:39	11/08/24 13:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/22/24 08:39	11/08/24 13:24	1
Y Carrier	69.2		30 - 110					10/22/24 08:39	11/08/24 13:24	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.284	U	0.554	0.554	5.00	1.00	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-037

Lab Sample ID: 160-55882-34

Date Collected: 10/15/24 10:38

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00378	U	0.0592	0.0592	1.00	0.118	pCi/L	10/22/24 08:33	11/24/24 05:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					10/22/24 08:33	11/24/24 05:49	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.374	U	0.528	0.530	1.00	0.889	pCi/L	10/22/24 08:39	11/08/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					10/22/24 08:39	11/08/24 13:25	1
Y Carrier	79.6		30 - 110					10/22/24 08:39	11/08/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.377	U	0.531	0.533	5.00	0.889	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-038

Lab Sample ID: 160-55882-35

Date Collected: 10/17/24 13:08

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0229	U	0.0705	0.0705	1.00	0.130	pCi/L	10/22/24 09:16	11/14/24 07:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					10/22/24 09:16	11/14/24 07:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.168	U	0.357	0.358	1.00	0.718	pCi/L	10/22/24 09:16	11/07/24 17:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					10/22/24 09:16	11/07/24 17:16	1
Y Carrier	83.0		30 - 110					10/22/24 09:16	11/07/24 17:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0229	U	0.364	0.365	5.00	0.718	pCi/L		12/02/24 12:57	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-039

Lab Sample ID: 160-55882-36

Date Collected: 10/16/24 09:33

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191		0.0949	0.0964	1.00	0.118	pCi/L	10/22/24 08:33	11/24/24 05:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/22/24 08:33	11/24/24 05:49	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.315	U	0.513	0.514	1.00	0.873	pCi/L	10/22/24 08:39	11/08/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/22/24 08:39	11/08/24 13:25	1
Y Carrier	78.5		30 - 110					10/22/24 08:39	11/08/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.507	U	0.522	0.523	5.00	0.873	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-040

Lab Sample ID: 160-55882-37

Date Collected: 10/15/24 14:31

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.202		0.101	0.102	1.00	0.125	pCi/L	10/22/24 09:17	11/14/24 07:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					10/22/24 09:17	11/14/24 07:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402	U	0.478	0.479	1.00	0.788	pCi/L	10/22/24 09:16	11/07/24 17:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					10/22/24 09:16	11/07/24 17:16	1
Y Carrier	81.9		30 - 110					10/22/24 09:16	11/07/24 17:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.604	U	0.489	0.490	5.00	0.788	pCi/L		12/04/24 17:36	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-041

Lab Sample ID: 160-55882-38

Date Collected: 10/17/24 13:31

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0488	U	0.0720	0.0721	1.00	0.123	pCi/L	10/22/24 12:24	11/13/24 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					10/22/24 12:24	11/13/24 15:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.258	U	0.477	0.477	1.00	0.822	pCi/L	10/22/24 12:29	11/06/24 13:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					10/22/24 12:29	11/06/24 13:27	1
Y Carrier	79.6		30 - 110					10/22/24 12:29	11/06/24 13:27	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.307	U	0.482	0.482	5.00	0.822	pCi/L		12/04/24 17:37	1

Client Sample ID: 24100002-010

Lab Sample ID: 160-55882-39

Date Collected: 11/01/24 10:42

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.332		0.157	0.160	1.00	0.181	pCi/L	11/05/24 08:14	11/27/24 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					11/05/24 08:14	11/27/24 07:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.867		0.578	0.584	1.00	0.857	pCi/L	11/05/24 08:18	11/21/24 14:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					11/05/24 08:18	11/21/24 14:56	1
Y Carrier	79.6		30 - 110					11/05/24 08:18	11/21/24 14:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.20		0.599	0.606	5.00	0.857	pCi/L		12/02/24 17:11	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-017

Lab Sample ID: 160-55882-40

Date Collected: 11/01/24 11:28

Matrix: Water

Date Received: 10/18/24 13:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.399		0.212	0.215	1.00	0.256	pCi/L	11/05/24 08:14	11/27/24 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.7		30 - 110					11/05/24 08:14	11/27/24 07:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.124	U G	0.763	0.763	1.00	1.47	pCi/L	11/05/24 08:18	11/21/24 14:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.7		30 - 110					11/05/24 08:18	11/21/24 14:56	1
Y Carrier	73.6		30 - 110					11/05/24 08:18	11/21/24 14:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.399	U	0.792	0.793	5.00	1.47	pCi/L		12/02/24 17:11	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-684529/1-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684529

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.008793	U	0.0748	0.0748	1.00	0.144	pCi/L	10/22/24 08:09	11/13/24 22:10	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					10/22/24 08:09	11/13/24 22:10	1

Lab Sample ID: LCS 160-684529/2-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684529

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	7.885		0.863	1.00	0.122	pCi/L	82	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	107		30 - 110							

Lab Sample ID: MB 160-684531/1-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684531

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1461	U	0.105	0.105	1.00	0.151	pCi/L	10/22/24 08:15	11/13/24 20:38	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					10/22/24 08:15	11/13/24 20:38	1

Lab Sample ID: LCS 160-684531/2-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684531

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.528		0.935	1.00	0.113	pCi/L	89	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	95.9		30 - 110							

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 688238

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684531

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0873	U	0.08449	U	0.0808	1.00	0.122	pCi/L	0.02	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 688238

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684531

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	79.5		30 - 110

Lab Sample ID: MB 160-684537/1-A
Matrix: Water
Analysis Batch: 689607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684537

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02819	U	0.0484	0.0485	1.00	0.0854	pCi/L	10/22/24 08:33	11/20/24 21:38	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/22/24 08:33	11/20/24 21:38	1

Lab Sample ID: LCS 160-684537/2-A
Matrix: Water
Analysis Batch: 689607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684537

Analyte	LCS Result	LCS Qualifier	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226			9.58	7.309		0.790	1.00	0.0875	pCi/L	76	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits								
Ba Carrier	99.0		30 - 110								

Lab Sample ID: 160-55882-17 DU
Matrix: Water
Analysis Batch: 690286

Client Sample ID: 24100002-019
Prep Type: Total/NA
Prep Batch: 684537

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.218		0.3293		0.115	1.00	0.100	pCi/L	0.48	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	76.7		30 - 110							

Lab Sample ID: MB 160-684560/1-A
Matrix: Water
Analysis Batch: 688238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684560

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04276	U	0.0622	0.0623	1.00	0.106	pCi/L	10/22/24 12:24	11/13/24 15:10	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					10/22/24 12:24	11/13/24 15:10	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-684560/2-A
Matrix: Water
Analysis Batch: 688238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684560

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.449		1.02	1.00	0.106	pCi/L	99	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	83.4		30 - 110							

Lab Sample ID: MB 160-686859/1-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686859

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.04729	U	0.0376	0.0379	1.00	0.116	pCi/L	11/05/24 08:14	11/27/24 07:45	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	92.2		30 - 110							
								Prepared	Analyzed	Dil Fac
								11/05/24 08:14	11/27/24 07:45	1

Lab Sample ID: LCS 160-686859/2-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686859

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	10.16		1.10	1.00	0.114	pCi/L	106	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.8		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-684530/1-A
Matrix: Water
Analysis Batch: 687312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684530

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05580	U	0.304	0.304	1.00	0.581	pCi/L	10/22/24 08:13	11/07/24 14:49	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	101		30 - 110							
Y Carrier	80.7		30 - 110							
								Prepared	Analyzed	Dil Fac
								10/22/24 08:13	11/07/24 14:49	1
								10/22/24 08:13	11/07/24 14:49	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

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

Lab Sample ID: LCS 160-684530/2-A
Matrix: Water
Analysis Batch: 687312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684530

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.36	8.557		1.19	1.00	0.490	pCi/L	102	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	107		30 - 110							
Y Carrier	81.1		30 - 110							

Lab Sample ID: MB 160-684534/1-A
Matrix: Water
Analysis Batch: 687504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684534

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07533	U	0.227	0.227	1.00	0.457	pCi/L	10/22/24 08:20	11/08/24 12:01	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.5		30 - 110							
Y Carrier	84.1		30 - 110							
								Prepared	Analyzed	Dil Fac
								10/22/24 08:20	11/08/24 12:01	1
								10/22/24 08:20	11/08/24 12:01	1

Lab Sample ID: LCS 160-684534/2-A
Matrix: Water
Analysis Batch: 687504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684534

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.36	7.728		1.10	1.00	0.452	pCi/L	92	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.9		30 - 110							
Y Carrier	84.1		30 - 110							

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 687515

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684534

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.166	U	0.1193	U	0.406	1.00	0.724	pCi/L	0.06	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	79.5		30 - 110							
Y Carrier	76.6		30 - 110							

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

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

Lab Sample ID: MB 160-684538/1-A
Matrix: Water
Analysis Batch: 687516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684538

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1477	U	0.268	0.268	1.00	0.538	pCi/L	10/22/24 08:39	11/08/24 12:09	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/22/24 08:39	11/08/24 12:09	1
Y Carrier	82.2		30 - 110					10/22/24 08:39	11/08/24 12:09	1

Lab Sample ID: LCS 160-684538/2-A
Matrix: Water
Analysis Batch: 687516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684538

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.36	8.461		1.18	1.00	0.510	pCi/L	101	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	99.0		30 - 110						
Y Carrier	81.5		30 - 110						

Lab Sample ID: 160-55882-17 DU
Matrix: Water
Analysis Batch: 687516

Client Sample ID: 24100002-019
Prep Type: Total/NA
Prep Batch: 684538

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	-0.0585	U	0.4729	U	0.452	1.00	0.717	pCi/L	0.65	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	76.7		30 - 110							
Y Carrier	75.1		30 - 110							

Lab Sample ID: MB 160-684561/1-A
Matrix: Water
Analysis Batch: 687157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684561

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.002565	U	0.290	0.290	1.00	0.554	pCi/L	10/22/24 12:29	11/06/24 12:24	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					10/22/24 12:29	11/06/24 12:24	1
Y Carrier	78.5		30 - 110					10/22/24 12:29	11/06/24 12:24	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

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

Lab Sample ID: LCS 160-684561/2-A
Matrix: Water
Analysis Batch: 687157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684561

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.37	9.888		1.39	1.00	0.613	pCi/L	118	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	83.4		30 - 110							
Y Carrier	83.0		30 - 110							

Lab Sample ID: MB 160-686862/1-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686862

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3228	U	0.352	0.353	1.00	0.573	pCi/L	11/05/24 08:18	11/21/24 14:52	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	92.2		30 - 110							
Y Carrier	81.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								11/05/24 08:18	11/21/24 14:52	1
								11/05/24 08:18	11/21/24 14:52	1

Lab Sample ID: LCS 160-686862/2-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686862

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.33	8.859		1.29	1.00	0.629	pCi/L	106	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.8		30 - 110							
Y Carrier	82.6		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-55882-1
SDG: 24100002

Rad

Prep Batch: 684529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-35	24100002-038	Total/NA	Water	PrecSep-21	
160-55882-37	24100002-040	Total/NA	Water	PrecSep-21	
MB 160-684529/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684529/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-35	24100002-038	Total/NA	Water	PrecSep_0	
160-55882-37	24100002-040	Total/NA	Water	PrecSep_0	
MB 160-684530/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684530/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 684531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-1	24100002-001	Total/NA	Water	PrecSep-21	
160-55882-2	24100002-002	Total/NA	Water	PrecSep-21	
160-55882-3	24100002-003	Total/NA	Water	PrecSep-21	
160-55882-4	24100002-004	Total/NA	Water	PrecSep-21	
160-55882-5	24100002-005	Total/NA	Water	PrecSep-21	
160-55882-6	24100002-006	Total/NA	Water	PrecSep-21	
160-55882-8	24100002-008	Total/NA	Water	PrecSep-21	
160-55882-9	24100002-009	Total/NA	Water	PrecSep-21	
160-55882-10	24100002-011	Total/NA	Water	PrecSep-21	
160-55882-11	24100002-012	Total/NA	Water	PrecSep-21	
160-55882-12	24100002-013	Total/NA	Water	PrecSep-21	
160-55882-13	24100002-014	Total/NA	Water	PrecSep-21	
160-55882-14	24100002-015	Total/NA	Water	PrecSep-21	
160-55882-15	24100002-016	Total/NA	Water	PrecSep-21	
MB 160-684531/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684531/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55882-1 DU	24100002-001	Total/NA	Water	PrecSep-21	

Prep Batch: 684534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-1	24100002-001	Total/NA	Water	PrecSep_0	
160-55882-2	24100002-002	Total/NA	Water	PrecSep_0	
160-55882-3	24100002-003	Total/NA	Water	PrecSep_0	
160-55882-4	24100002-004	Total/NA	Water	PrecSep_0	
160-55882-5	24100002-005	Total/NA	Water	PrecSep_0	
160-55882-6	24100002-006	Total/NA	Water	PrecSep_0	
160-55882-8	24100002-008	Total/NA	Water	PrecSep_0	
160-55882-9	24100002-009	Total/NA	Water	PrecSep_0	
160-55882-10	24100002-011	Total/NA	Water	PrecSep_0	
160-55882-11	24100002-012	Total/NA	Water	PrecSep_0	
160-55882-12	24100002-013	Total/NA	Water	PrecSep_0	
160-55882-13	24100002-014	Total/NA	Water	PrecSep_0	
160-55882-14	24100002-015	Total/NA	Water	PrecSep_0	
160-55882-15	24100002-016	Total/NA	Water	PrecSep_0	
MB 160-684534/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684534/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55882-1 DU	24100002-001	Total/NA	Water	PrecSep_0	

Eurofins St. Louis

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Job ID: 160-55882-1
SDG: 24100002

Rad

Prep Batch: 684537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-16	24100002-018	Total/NA	Water	PrecSep-21	
160-55882-17	24100002-019	Total/NA	Water	PrecSep-21	
160-55882-18	24100002-020	Total/NA	Water	PrecSep-21	
160-55882-19	24100002-021	Total/NA	Water	PrecSep-21	
160-55882-21	24100002-023	Total/NA	Water	PrecSep-21	
160-55882-22	24100002-024	Total/NA	Water	PrecSep-21	
160-55882-23	24100002-025	Total/NA	Water	PrecSep-21	
160-55882-24	24100002-026	Total/NA	Water	PrecSep-21	
160-55882-25	24100002-028	Total/NA	Water	PrecSep-21	
160-55882-26	24100002-029	Total/NA	Water	PrecSep-21	
160-55882-27	24100002-030	Total/NA	Water	PrecSep-21	
160-55882-28	24100002-031	Total/NA	Water	PrecSep-21	
160-55882-29	24100002-032	Total/NA	Water	PrecSep-21	
160-55882-30	24100002-033	Total/NA	Water	PrecSep-21	
160-55882-31	24100002-034	Total/NA	Water	PrecSep-21	
160-55882-32	24100002-035	Total/NA	Water	PrecSep-21	
160-55882-33	24100002-036	Total/NA	Water	PrecSep-21	
160-55882-34	24100002-037	Total/NA	Water	PrecSep-21	
160-55882-36	24100002-039	Total/NA	Water	PrecSep-21	
MB 160-684537/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684537/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55882-17 DU	24100002-019	Total/NA	Water	PrecSep-21	

Prep Batch: 684538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-16	24100002-018	Total/NA	Water	PrecSep_0	
160-55882-17	24100002-019	Total/NA	Water	PrecSep_0	
160-55882-18	24100002-020	Total/NA	Water	PrecSep_0	
160-55882-19	24100002-021	Total/NA	Water	PrecSep_0	
160-55882-21	24100002-023	Total/NA	Water	PrecSep_0	
160-55882-22	24100002-024	Total/NA	Water	PrecSep_0	
160-55882-23	24100002-025	Total/NA	Water	PrecSep_0	
160-55882-24	24100002-026	Total/NA	Water	PrecSep_0	
160-55882-25	24100002-028	Total/NA	Water	PrecSep_0	
160-55882-26	24100002-029	Total/NA	Water	PrecSep_0	
160-55882-27	24100002-030	Total/NA	Water	PrecSep_0	
160-55882-28	24100002-031	Total/NA	Water	PrecSep_0	
160-55882-29	24100002-032	Total/NA	Water	PrecSep_0	
160-55882-30	24100002-033	Total/NA	Water	PrecSep_0	
160-55882-31	24100002-034	Total/NA	Water	PrecSep_0	
160-55882-32	24100002-035	Total/NA	Water	PrecSep_0	
160-55882-33	24100002-036	Total/NA	Water	PrecSep_0	
160-55882-34	24100002-037	Total/NA	Water	PrecSep_0	
160-55882-36	24100002-039	Total/NA	Water	PrecSep_0	
MB 160-684538/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684538/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55882-17 DU	24100002-019	Total/NA	Water	PrecSep_0	

Prep Batch: 684560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-38	24100002-041	Total/NA	Water	PrecSep-21	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-55882-1
SDG: 24100002

Rad (Continued)

Prep Batch: 684560 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-684560/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684560/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-38	24100002-041	Total/NA	Water	PrecSep_0	
MB 160-684561/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684561/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 686859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-20	24100002-022	Total/NA	Water	PrecSep-21	
160-55882-39	24100002-010	Total/NA	Water	PrecSep-21	
160-55882-40	24100002-017	Total/NA	Water	PrecSep-21	
MB 160-686859/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-686859/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 686862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-20	24100002-022	Total/NA	Water	PrecSep_0	
160-55882-39	24100002-010	Total/NA	Water	PrecSep_0	
160-55882-40	24100002-017	Total/NA	Water	PrecSep_0	
MB 160-686862/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-686862/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-55882-1	24100002-001	83.3					
160-55882-1 DU	24100002-001	79.5					
160-55882-2	24100002-002	92.2					
160-55882-3	24100002-003	102					
160-55882-4	24100002-004	90.6					
160-55882-5	24100002-005	105					
160-55882-6	24100002-006	101					
160-55882-8	24100002-008	60.0					
160-55882-9	24100002-009	52.9					
160-55882-10	24100002-011	87.1					
160-55882-11	24100002-012	96.2					
160-55882-12	24100002-013	86.6					
160-55882-13	24100002-014	91.6					
160-55882-14	24100002-015	88.6					
160-55882-15	24100002-016	106					
160-55882-16	24100002-018	89.9					
160-55882-17	24100002-019	75.7					
160-55882-17 DU	24100002-019	76.7					
160-55882-18	24100002-020	78.2					
160-55882-19	24100002-021	69.9					
160-55882-20	24100002-022	86.6					
160-55882-21	24100002-023	89.9					
160-55882-22	24100002-024	85.3					
160-55882-23	24100002-025	90.4					
160-55882-24	24100002-026	82.3					
160-55882-25	24100002-028	95.4					
160-55882-26	24100002-029	87.6					
160-55882-27	24100002-030	87.3					
160-55882-28	24100002-031	84.6					
160-55882-29	24100002-032	72.2					
160-55882-30	24100002-033	81.3					
160-55882-31	24100002-034	85.1					
160-55882-32	24100002-035	90.9					
160-55882-33	24100002-036	84.3					
160-55882-34	24100002-037	80.5					
160-55882-35	24100002-038	98.2					
160-55882-36	24100002-039	84.3					
160-55882-37	24100002-040	90.6					
160-55882-38	24100002-041	82.4					
160-55882-39	24100002-010	79.7					
160-55882-40	24100002-017	77.7					
LCS 160-684529/2-A	Lab Control Sample	107					
LCS 160-684531/2-A	Lab Control Sample	95.9					
LCS 160-684537/2-A	Lab Control Sample	99.0					
LCS 160-684560/2-A	Lab Control Sample	83.4					
LCS 160-686859/2-A	Lab Control Sample	87.8					
MB 160-684529/1-A	Method Blank	101					
MB 160-684531/1-A	Method Blank	99.5					
MB 160-684537/1-A	Method Blank	100					

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
MB 160-684560/1-A	Method Blank	90.0	
MB 160-686859/1-A	Method Blank	92.2	
Tracer/Carrier Legend			
Ba = Ba Carrier			

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-55882-1	24100002-001	83.3	81.9
160-55882-1 DU	24100002-001	79.5	76.6
160-55882-2	24100002-002	92.2	75.9
160-55882-3	24100002-003	102	78.1
160-55882-4	24100002-004	90.6	84.5
160-55882-5	24100002-005	105	81.5
160-55882-6	24100002-006	101	82.6
160-55882-8	24100002-008	60.0	81.9
160-55882-9	24100002-009	52.9	81.5
160-55882-10	24100002-011	87.1	62.1
160-55882-11	24100002-012	96.2	62.1
160-55882-12	24100002-013	86.6	72.9
160-55882-13	24100002-014	91.6	78.9
160-55882-14	24100002-015	88.6	74.8
160-55882-15	24100002-016	106	80.0
160-55882-16	24100002-018	89.9	77.4
160-55882-17	24100002-019	75.7	72.9
160-55882-17 DU	24100002-019	76.7	75.1
160-55882-18	24100002-020	78.2	78.1
160-55882-19	24100002-021	69.9	75.9
160-55882-20	24100002-022	86.6	77.4
160-55882-21	24100002-023	89.9	75.1
160-55882-22	24100002-024	85.3	77.4
160-55882-23	24100002-025	90.4	76.6
160-55882-24	24100002-026	82.3	73.6
160-55882-25	24100002-028	95.4	81.1
160-55882-26	24100002-029	87.6	66.9
160-55882-27	24100002-030	87.3	71.0
160-55882-28	24100002-031	84.6	61.7
160-55882-29	24100002-032	72.2	60.9
160-55882-30	24100002-033	81.3	71.4
160-55882-31	24100002-034	85.1	74.4
160-55882-32	24100002-035	90.9	69.2
160-55882-33	24100002-036	84.3	69.2
160-55882-34	24100002-037	80.5	79.6
160-55882-35	24100002-038	98.2	83.0
160-55882-36	24100002-039	84.3	78.5
160-55882-37	24100002-040	90.6	81.9
160-55882-38	24100002-041	82.4	79.6

Eurofins St. Louis

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-55882-1
SDG: 24100002

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-55882-39	24100002-010	79.7	79.6
160-55882-40	24100002-017	77.7	73.6
LCS 160-684530/2-A	Lab Control Sample	107	81.1
LCS 160-684534/2-A	Lab Control Sample	95.9	84.1
LCS 160-684538/2-A	Lab Control Sample	99.0	81.5
LCS 160-684561/2-A	Lab Control Sample	83.4	83.0
LCS 160-686862/2-A	Lab Control Sample	87.8	82.6
MB 160-684530/1-A	Method Blank	101	80.7
MB 160-684534/1-A	Method Blank	99.5	84.1
MB 160-684538/1-A	Method Blank	100	82.2
MB 160-684561/1-A	Method Blank	90.0	78.5
MB 160-686862/1-A	Method Blank	92.2	81.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-104DR
Sample ID: 001
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 45 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 9:38 Static Water Level: 13.55 feet below TOC
Total Depth: 31.50 feet below TOC
Water Column: 17.95 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.95 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:01	0.0	143	purge start time						
10:14	1.9	↓	6.77	1,211.50	16.02	4.37	48.00	12.39	
10:17	2.3		6.76	1,147.10	15.93	3.28	49.50	13.95	
10:20	2.7		6.77	1,104.30	15.82	2.74	50.80	15.89	
10:23	3.1		6.77	1,090.50	15.92	2.43	51.90	19.43	
10:26	3.6		6.76	1,086.10	15.94	2.31	52.90	24.58	
10:29	4.0		6.76	1,081.30	15.90	2.21	53.90	28.89	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 10:29
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH 1,081.30 Spec. Cond. 15.90 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 14.00 feet below TOC Drawdown: 0.45 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-104SR
Sample ID: 002
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 49 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 10:33 Static Water Level: 13.44 feet below TOC
Total Depth: 18.00 feet below TOC
Water Column: 4.56 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 4.56 ft. x 0.022 = 0.1 L x 3 Vol. = 0.3 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: Strong Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:35	0.0	155	purge start time						
10:40	0.8	↓	6.51	1,325.80	17.32	2.57	-58.90	12.91	
10:43	1.2		6.50	1,319.20	17.54	1.72	-49.50	6.60	
10:46	1.7		6.50	1,310.00	17.70	1.95	-35.00	4.65	
10:49	2.2		6.49	1,308.60	17.84	1.95	-23.10	2.99	
10:52	2.6		6.49	1,311.80	17.77	1.66	-24.90	2.92	
10:55	3.1		6.49	1,316.90	17.85	1.52	-43.60	2.31	
10:58	3.6		6.48	1,321.00	17.73	1.38	-57.50	2.25	
11:01	4.0		6.48	1,324.90	17.68	1.26	-67.20	2.38	
11:04	4.5		6.47	1,326.80	17.84	1.16	-73.20	2.42	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 11:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.47 pH 1,326.80 Spec. Cond. 17.84 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 15.06 feet below TOC Drawdown: 1.62 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-150
Sample ID: 003
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:09 Static Water Level: 20.18 feet below TOC
Total Depth: 27.90 feet below TOC
Water Column: 7.72 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.72 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:10	0.0	222	purge start time						
12:16	1.4	↓	6.89	2,104.80	13.85	1.33	-151.30	12.11	
12:19	2.0		6.89	2,097.00	13.83	1.36	-137.40	6.75	
12:22	2.7		6.89	2,092.60	13.87	1.53	-124.50	5.34	
12:25	3.4		6.88	2,089.80	13.91	1.66	-114.70	4.15	
12:28	4.0		6.88	2,087.20	13.91	1.77	-107.10	3.10	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 12:28
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.88 pH 2,087.20 Spec. Cond. 13.91 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 20.54 feet below TOC Drawdown: 0.36 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-151
Sample ID: 004
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 46 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 9:56 Static Water Level: 7.17 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 11.83 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.83 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:56	0.0	333	purge start time						
10:08	4.0	↓	6.84	1,586.70	17.23	0.98	-152.30	14.93	
10:11	5.0		6.83	1,632.00	17.18	0.89	-150.10	18.25	
10:14	6.0		6.82	1,665.60	17.17	0.72	-152.40	18.73	
10:17	7.0		6.81	1,669.40	17.16	0.60	-153.40	24.07	
10:20	8.0		6.80	1,670.10	17.05	0.50	-154.50	26.76	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 10:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.80 pH 1,670.10 Spec. Cond. 17.05 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 11.44 feet below TOC Drawdown: 4.27 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-152
Sample ID: 005
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 12:14 Static Water Level: 8.00 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 12.00 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:14	0.0	353	purge start time						
12:22	2.8	↓	6.71	1,383.80	16.03	0.43	-25.40	64.04	
12:25	3.9		6.69	1,420.40	15.99	0.32	-31.40	61.02	
12:28	4.9		6.69	1,438.80	16.03	0.27	-35.80	56.04	
12:31	6.0		6.69	1,454.50	16.06	0.24	-36.60	49.48	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 12:31
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH 1,454.50 Spec. Cond. 16.06 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 8.31 feet below TOC Drawdown: 0.31 feet

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

- Field Meter: 46868

Form Completed By: _____

Tracy Carroll

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-153
Sample ID: 006
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 51 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:26 Static Water Level: 17.16 feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: 6.24 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.24 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:26	0.0	143	purge start time						
11:35	1.3	↓	6.67	734.80	16.97	3.14	9.80	55.50	
11:38	1.7		6.61	725.50	16.99	2.81	17.30	58.06	
11:41	2.1		6.60	725.10	17.15	2.68	22.10	56.32	
11:44	2.6		6.60	727.70	17.25	2.64	25.60	48.09	
11:47	3.0		6.62	729.40	16.88	2.68	28.50	42.63	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 11:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.62 pH 729.40 Spec. Cond. 16.88 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 18.53 feet below TOC Drawdown: 1.37 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-154
Sample ID: 007
Date (s): 11/1/2024

Field Team Members

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

Weather Conditions

Temp: 50 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 10:07 Static Water Level: 15.36 feet below TOC
Total Depth: 15.40 feet below TOC
Water Column: 0.04 feet

Purging Activities

Purged By: TC Purge Date: -
Purge Method: _____ Well Diameter: 2"
Purge Volume Calculation (L): 0.0400000000000009 ft. x 0.022 = 0 L x 3 Vol. = 0 L
Actual Purge Volume (L): 0.00 L
Physical appearance of purge water: _____ Odor: _____ Color: _____

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

Sampling Activities

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

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

- Well Dry; no sample collected

Form Completed By: Tracy Carroll Date: 11/1/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-155
Sample ID: 008
Date (s): 10/14/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 10:00 Static Water Level: N/A feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: - feet

Purging Activities

Purged By: JC Purge Date: 10/14/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): #VALUE! **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:06	0.0	96	purge start time						
10:14	0.8	↓	6.67	1,428.30	14.65	2.76	88.10	82.75	
10:17	1.1		6.70	1,416.10	14.53	1.88	87.40	69.20	
10:20	1.4		6.71	1,409.70	14.45	1.56	87.10	41.24	
10:23	1.7		6.73	1,403.00	14.45	1.22	86.70	23.90	
10:26	2.0		6.75	1,398.30	14.45	0.96	86.20	14.17	
10:29	2.2		6.76	1,394.90	14.46	0.83	85.70	8.12	
10:32	2.5		6.76	1,392.40	14.46	0.73	85.30	5.67	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/14/2024 10:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH 1,392.40 Spec. Cond. 14.46 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: N/A feet below TOC Drawdown: - feet

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

- Field Meter: 43918
- DTW below top of pump

Form Completed By: Justin Colp

Date: 10/14/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-192
Sample ID: 009
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 50 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:40 Static Water Level: 8.38 feet below TOC
Total Depth: 32.91 feet below TOC
Water Column: 24.53 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 24.526 ft. x 0.022 = 0.54 L x 3 Vol. = 1.62 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:40	0.0	222	purge start time						
10:46	1.3	↓	6.62	853.80	17.92	1.47	-89.50	44.49	
10:49	2.0		6.60	851.80	17.94	1.01	-90.10	56.00	
10:52	2.7		6.60	851.20	17.96	0.86	-90.60	49.63	
10:55	3.3		6.60	849.70	18.02	0.79	-90.50	42.32	
10:58	4.0		6.60	848.60	18.09	0.75	-90.30	52.63	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 10:58
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.60 pH 848.60 Spec. Cond. 18.09 Temp
Field Filtered: No Filter Type:
Water Level: 13.65 feet below TOC Drawdown: 5.27 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-193
Sample ID: 010
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 48 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:34 Static Water Level: 8.98 feet below TOC
Total Depth: 35.54 feet below TOC
Water Column: 26.56 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 26.563 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:35	0.0	184	purge start time						
9:42	1.3	↓	6.61	1,048.80	17.54	1.84	-125.40	40.97	
9:45	1.8		6.56	1,046.10	17.67	1.14	-113.40	26.38	
9:48	2.4		6.54	1,041.90	17.68	0.88	-103.40	17.56	
9:51	2.9		6.53	1,040.10	17.68	0.75	-95.40	13.60	
9:54	3.5		6.52	1,036.80	17.67	0.67	-88.50	9.83	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 9:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.52 pH 1,036.80 Spec. Cond. 17.67 Temp
Field Filtered: No Filter Type:
Water Level: 9.55 feet below TOC Drawdown: 0.57 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-196
Sample ID: 012
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 62 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:04 Static Water Level: 11.26 feet below TOC
Total Depth: 21.25 feet below TOC
Water Column: 9.99 feet

Purging Activities

Purged By: TC Purge Date: 10/17/2024
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.99 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Lt orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	200	purge start time						
11:19	3.0	↓	6.89	1,030.30	18.05	3.28	-34.60	188.29	
11:22	3.6		6.90	1,024.20	18.17	3.21	-62.70	156.76	
11:25	4.2		6.91	1,016.30	18.20	3.02	-74.10	143.12	
11:28	4.8		6.92	1,008.80	18.22	2.88	-78.60	122.53	
11:31	5.4		6.93	1,003.40	18.48	3.09	-74.90	100.00	
11:34	6.0		6.93	998.70	18.59	3.29	-72.40	93.69	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/17/2024 11:34
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 6.93 pH 998.70 Spec. Cond. 18.59 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 13.99 feet below TOC Drawdown: 2.73 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll

Date: 10/17/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-197
Sample ID: 013
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 62 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:50 Static Water Level: 8.14 feet below TOC
Total Depth: 20.66 feet below TOC
Water Column: 12.52 feet

Purging Activities

Purged By: TC Purge Date: 10/17/2024
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.52 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: lt orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:50	0.0	189	purge start time						
12:11	4.0	↓	6.80	605.90	16.24	2.15	-37.80	172.85	
12:14	4.5		6.80	602.90	16.86	2.12	-30.30	148.11	
12:17	5.1		6.80	599.50	16.91	2.09	-17.90	122.48	
12:20	5.7		6.80	597.10	17.06	1.76	-3.10	105.31	
12:23	6.2		6.81	593.50	17.11	1.69	9.30	99.50	
12:26	6.8		6.83	589.70	17.17	1.58	16.10	87.84	
12:29	7.4		6.85	585.30	17.12	1.67	20.50	80.68	
12:32	7.9		6.86	583.60	17.05	1.77	23.50	87.83	
12:35	8.5		6.85	581.20	16.95	1.81	25.20	95.90	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/17/2024 12:35
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 6.85 pH 581.20 Spec. Cond. 16.95 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 13.89 feet below TOC Drawdown: 5.75 feet

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

- Field Meter: 46868

Form Completed By: _____

Tracy Carroll

Date: 10/17/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-198
Sample ID: 014
Date (s): 11/1/2024

Field Team Members

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

Weather Conditions

Temp: 50 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 10:25 Static Water Level: 8.99 feet below TOC
Total Depth: 20.57 feet below TOC
Water Column: 11.58 feet

Purging Activities

Purged By: BG Purge Date: 11/1/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.58 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:25	0.0	176	purge start time						
10:30	0.9	↓	6.48	766.70	14.25	8.26	79.70	19.76	
10:33	1.4		6.52	773.50	14.24	8.60	85.80	18.00	
10:36	1.9		6.59	773.60	14.27	8.91	90.20	314.09	
10:39	2.5		6.63	771.20	14.35	9.03	93.90	17.74	
10:42	3.0		6.65	767.30	14.55	8.98	97.30	19.99	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/1/2024 10:42
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.65 pH 767.30 Spec. Cond. 14.55 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 9.41 feet below TOC Drawdown: 0.42 feet

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

- Field Meter: 210760

Form Completed By: Brett Gillihan

Date: 11/1/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-252
Sample ID: 015
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 49 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:22 Static Water Level: 3.84 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 48.46 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 48.46 ft. x 0.022 = 1.07 L x 3 Vol. = 3.21 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:26	0.0	200	purge start time						
11:36	2.0	↓	6.72	1,284.50	14.97	1.66	-170.80	18.16	
11:39	2.6		6.71	1,276.10	14.93	1.47	-173.10	24.04	
11:42	3.2		6.71	1,274.90	14.82	1.35	-174.50	31.62	
11:45	3.8		6.71	1,273.80	14.76	1.26	-176.60	46.69	
11:48	4.4		6.71	1,270.70	14.83	1.25	-176.90	65.40	
11:51	5.0		6.71	1,270.80	14.86	1.23	-176.60	85.61	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 11:51
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH 1,270.80 Spec. Cond. 14.86 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 11.34 feet below TOC Drawdown: 7.50 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-253R
Sample ID: 016
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:48 Static Water Level: 21.12 feet below TOC
Total Depth: 38.49 feet below TOC
Water Column: 17.37 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.37 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:59	0.0	188	purge start time						
12:09	1.9	↓	6.58	1,822.20	15.84	1.69	-120.50	18.54	
12:12	2.5		6.55	1,806.30	15.72	1.51	-118.90	19.44	
12:15	3.0		6.54	1,773.90	15.69	1.55	-110.90	22.02	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 12:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.54 pH 1,773.90 Spec. Cond. 15.69 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 25.40 feet below TOC Drawdown: 4.28 feet

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

- Field Meter: 43918

Form Completed By: 

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-304
Sample ID: 017
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 40 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 8:58 Static Water Level: 9.54 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 47.96 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 47.96 ft. x 0.022 = 1.06 L x 3 Vol. = 3.18 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:05	0.0	214	purge start time						
9:12	1.5	↓	7.65	2,611.60	15.46	2.75	-66.00	1.62	
9:15	2.1		7.66	2,605.30	15.34	2.04	-57.70	1.71	
9:18	2.8		7.66	2,597.00	15.32	1.72	-51.90	2.00	
9:21	3.4		7.65	2,588.70	15.35	1.52	-47.50	2.01	
9:24	4.1		7.64	2,579.10	15.30	1.39	-43.50	2.48	
9:27	4.7		7.60	2,567.20	15.28	1.27	-39.50	3.91	
9:30	5.4		7.56	2,553.70	15.29	1.26	-35.50	5.23	
9:33	6.0		7.54	2,541.30	15.29	1.24	-32.10	6.32	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 9:33
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.54 pH 2,541.30 Spec. Cond. 15.29 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 16.00 feet below TOC Drawdown: 6.46 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-350R
Sample ID: 018
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:29 Static Water Level: 24.83 feet below TOC
Total Depth: 50.16 feet below TOC
Water Column: 25.33 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 25.33 ft. x 0.022 = 0.56 L x 3 Vol. = 1.68 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	182	purge start time						
12:37	1.3	↓	7.34	860.90	13.77	1.45	-149.20	20.78	
12:40	1.8		7.33	858.80	13.70	1.02	-155.70	17.72	
12:43	2.4		7.32	857.30	13.72	0.71	-161.10	14.13	
12:46	2.9		7.32	856.60	13.73	0.53	-165.00	10.75	
12:49	3.5		7.32	856.30	13.71	0.44	-167.50	9.51	
12:52	4.0		7.31	856.00	13.72	0.39	-169.30	9.18	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 12:52
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.31 pH 856.00 Spec. Cond. 13.72 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 30.55 feet below TOC Drawdown: 5.72 feet

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

- Field Meter: 43918

Form Completed By: 

Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-352
Sample ID: 019
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 48 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 10:58 Static Water Level: 4.21 feet below TOC
Total Depth: 75.70 feet below TOC
Water Column: 71.49 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 71.49 ft. x 0.022 = 1.57 L x 3 Vol. = 4.71 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	100	purge start time						
11:06	0.8	↓	7.39	1,503.20	14.91	0.62	-220.60	14.14	
11:09	1.1		7.41	1,545.10	14.87	0.40	-214.60	17.72	
11:12	1.4		7.45	2,583.00	14.88	0.31	-218.20	20.54	
11:15	1.7		7.49	2,617.40	14.87	0.28	-225.70	23.03	
11:18	2.0		7.50	2,622.20	14.91	0.26	-228.90	25.23	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 11:18
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.50 pH 2,622.20 Spec. Cond. 14.91 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 7.39 feet below TOC Drawdown: 3.18 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-355
Sample ID: 020
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:08 Static Water Level: 24.81 feet below TOC
Total Depth: 35.40 feet below TOC
Water Column: 10.59 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.59 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:08	0.0	200	purge start time						
14:13	1.0	↓	6.81	954.00	13.82	2.21	-104.90	10.41	
14:16	1.6		6.82	927.80	13.75	1.48	-88.70	4.95	
14:19	2.2		6.82	917.90	13.74	1.22	-74.00	3.43	
14:22	2.8		6.82	915.10	13.77	1.04	-63.00	3.45	
14:25	3.4		6.81	913.70	13.76	0.96	-54.90	2.90	
14:28	4.0		6.81	912.50	13.79	1.05	-48.20	2.30	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 14:28
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.81 pH 912.50 Spec. Cond. 13.79 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 27.21 feet below TOC Drawdown: 2.40 feet

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

- Field Meter: 43918

Form Completed By: 

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-356
Sample ID: 021
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:01 Static Water Level: 4.69 feet below TOC
Total Depth: 68.40 feet below TOC
Water Column: 63.71 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 63.71 ft. x 0.022 = 1.4 L x 3 Vol. = 4.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:01	0.0	200	purge start time						
14:08	1.4	↓	7.74	1,288.70	16.45	0.48	-153.70	2.68	
14:11	2.0		7.71	1,267.40	16.56	0.30	-140.90	3.76	
14:14	2.6		7.67	1,257.10	16.84	0.37	-123.30	5.20	
14:17	3.2		7.66	1,257.50	16.84	0.49	-102.70	6.65	
14:20	3.8		7.65	1,259.80	16.77	0.52	-88.70	7.61	
14:23	4.4		7.66	1,263.90	16.68	0.50	-79.70	9.91	
14:26	5.0		7.66	1,268.10	16.61	0.46	-74.50	11.35	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 14:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.66 pH 1,268.10 Spec. Cond. 16.61 Temp
Field Filtered: No Filter Type: _____
Water Level: 8.99 feet below TOC Drawdown: 4.30 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll

Date: 10/16/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-358R
Sample ID: 022
Date (s): 11/1/2024

Field Team Members

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

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 11:28 Static Water Level: 81.62 feet below TOC
Total Depth: 87.75 feet below TOC
Water Column: 6.13 feet

Purging Activities

Purged By: BG Purge Date: 11/1/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.13 ft. x 0.022 = 0.13 L x 3 Vol. = 0.39 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	150	purge start time						
11:16	1.2	↓	7.66	3,475.10	15.95	2.62	-112.40	57.98	
11:19	1.7		7.69	3,503.90	16.31	2.66	-111.00	46.87	
11:22	2.1		7.70	3,517.20	16.50	2.74	-108.70	47.71	
11:25	2.5		7.71	3,520.00	16.66	2.70	-107.70	44.37	
11:28	3.0		7.72	3,523.90	16.68	2.65	-106.80	43.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/1/2024 11:28
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.72 pH 3,523.90 Spec. Cond. 16.68 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 82.13 feet below TOC Drawdown: 0.51 feet

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

- Field Meter: 210760

Form Completed By: Brett Gillihan

Date: 11/1/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-366
Sample ID: 023
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:50 Static Water Level: 15.32 feet below TOC
Total Depth: 54.50 feet below TOC
Water Column: 39.18 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 39.18 ft. x 0.022 = 0.86 L x 3 Vol. = 2.58 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:51	0.0	192	purge start time						
11:55	0.8	↓	6.46	2,193.50	14.60	1.12	-31.00	8.48	
11:58	1.3		6.46	2,184.00	14.71	0.57	-20.90	4.93	
12:01	1.9		6.46	2,177.50	14.78	0.41	-15.30	3.15	
12:04	2.5		6.46	2,167.30	14.79	0.34	-10.90	2.75	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 12:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.46 pH 2,167.30 Spec. Cond. 14.79 Temp
Field Filtered: No Filter Type:
Water Level: 19.32 feet below TOC Drawdown: 4.00 feet

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

- Field Meter: 43918

Form Completed By: 

Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-369
Sample ID: 024
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 51 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:06 Static Water Level: 13.65 feet below TOC
Total Depth: 68.20 feet below TOC
Water Column: 54.55 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 54.55 ft. x 0.022 = 1.2 L x 3 Vol. = 3.6 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:07	0.0	167	purge start time						
11:13	1.0	↓	7.67	2,919.80	15.34	1.15	-165.70	12.76	
11:16	1.5		8.14	2,867.50	15.33	0.61	-205.50	9.49	
11:19	2.0		8.33	2,594.60	15.29	0.45	-220.20	5.93	
11:22	2.5		8.39	2,417.90	15.29	0.37	-224.50	4.49	
11:25	3.0		8.41	2,270.50	15.28	0.33	-225.70	3.69	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 11:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.41 pH 2,270.50 Spec. Cond. 15.28 Temp
Field Filtered: No Filter Type:
Water Level: 17.18 feet below TOC Drawdown: 3.53 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-370
Sample ID: 025
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:36 Static Water Level: 18.89 feet below TOC
Total Depth: 65.20 feet below TOC
Water Column: 46.31 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 46.31 ft. x 0.022 = 1.02 L x 3 Vol. = 3.06 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:37	0.0	158	purge start time						
13:44	1.1	↓	7.43	6,066.60	15.64	1.67	-48.20	1.95	
13:47	1.6		7.45	6,128.40	15.55	0.90	-53.40	1.54	
13:50	2.1		7.45	6,148.00	15.46	0.62	-56.00	1.37	
13:53	2.5		7.44	6,158.80	15.46	0.50	-57.90	1.07	
13:56	3.0		7.43	6,166.40	15.57	0.42	-59.20	0.92	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 13:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.43 pH 6,166.40 Spec. Cond. 15.57 Temp
Field Filtered: No Filter Type:
Water Level: 22.31 feet below TOC Drawdown: 3.42 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-375
Sample ID: 026
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 12:41 Static Water Level: 35.04 feet below TOC
Total Depth: 69.50 feet below TOC
Water Column: 34.46 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 34.46 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:42	0.0	136	purge start time						
12:49	1.0	↓	7.53	1,801.00	14.03	2.82	-126.40	3.34	
12:52	1.4		7.59	1,803.40	14.01	1.80	-156.20	2.91	
12:55	1.8		7.61	1,775.90	13.96	1.41	-174.20	2.43	
12:58	2.2		7.63	1,756.80	13.89	1.22	-180.10	2.39	
13:01	2.6		7.63	1,739.40	13.88	1.13	-178.50	2.63	
13:04	3.0		7.64	1,728.20	13.87	1.06	-173.60	2.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 13:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.64 pH 1,728.20 Spec. Cond. 13.87 Temp
Field Filtered: No Filter Type:
Water Level: 38.51 feet below TOC Drawdown: 3.47 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-377
Sample ID: 027
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 13:22 Static Water Level: 7.32 feet below TOC
Total Depth: 58.60 feet below TOC
Water Column: 51.28 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 51.28 ft. x 0.022 = 1.13 L x 3 Vol. = 3.39 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	188	purge start time						
13:30	1.3	↓	6.96	1,238.40	16.15	1.46	-50.80	3.04	
13:33	1.9		6.95	1,229.00	16.15	1.09	-46.90	4.13	
13:36	2.4		6.94	1,223.50	16.22	0.91	-42.90	7.45	
13:39	3.0		6.93	1,218.50	16.24	0.83	-40.20	11.10	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 13:39
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.93 pH 1,218.50 Spec. Cond. 16.24 Temp
Field Filtered: No Filter Type:
Water Level: 11.11 feet below TOC Drawdown: 3.79 feet

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

- Field Meter: 43918

Form Completed By: 

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-382
Sample ID: 028
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 56 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:10 Static Water Level: 16.58 feet below TOC
Total Depth: 72.70 feet below TOC
Water Column: 56.12 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 56.12 ft. x 0.022 = 1.23 L x 3 Vol. = 3.69 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:11	0.0	167	purge start time						
13:20	1.5	↓	7.72	2,058.20	16.24	1.70	-98.00	63.54	
13:23	2.0		7.72	2,051.60	16.16	1.00	-99.60	39.27	
13:26	2.5		7.69	2,015.40	16.00	0.74	-98.90	31.75	
13:29	3.0		7.65	1,988.70	15.91	0.63	-97.40	35.26	
13:32	3.5		7.63	1,965.70	15.93	0.54	-96.40	50.80	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 13:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.63 pH 1,965.70 Spec. Cond. 15.93 Temp
Field Filtered: No Filter Type:
Water Level: 19.08 feet below TOC Drawdown: 2.50 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-383
Sample ID: 029
Date (s): 10/14/2024

Field Team Members

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

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 13:22 Static Water Level: 19.90 feet below TOC
Total Depth: 70.30 feet below TOC
Water Column: 50.40 feet

Purging Activities

Purged By: JC Purge Date: 10/14/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 50.4 ft. x 0.022 = 1.11 L x 3 Vol. = 3.33 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	167	purge start time						
13:29	1.0	↓	7.42	2,505.20	18.77	2.01	-107.30	2.30	
13:32	1.5		7.43	2,592.90	18.69	1.07	-103.40	2.27	
13:35	2.0		7.42	2,613.50	18.76	0.77	-99.60	2.38	
13:38	2.5		7.42	2,628.90	18.67	0.64	-96.70	2.97	
13:41	3.0		7.41	2,635.00	18.67	0.57	-94.10	3.70	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/14/2024 13:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.41 pH 2,635.00 Spec. Cond. 18.67 Temp
Field Filtered: No Filter Type:
Water Level: 23.75 feet below TOC Drawdown: 3.85 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/14/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-384
Sample ID: 030
Date (s): 10/14/2024

Field Team Members

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

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 13:56 Static Water Level: 16.22 feet below TOC
Total Depth: 68.50 feet below TOC
Water Column: 52.28 feet

Purging Activities

Purged By: JC Purge Date: 10/14/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 52.28 ft. x 0.022 = 1.15 L x 3 Vol. = 3.45 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:57	0.0	158	purge start time						
14:01	0.6	↓	7.72	4,816.60	17.79	3.17	-47.20	7.46	
14:04	1.1		7.91	4,900.60	17.66	1.26	-63.90	5.35	
14:07	1.6		7.95	4,926.70	17.59	0.72	-73.50	4.22	
14:10	2.0		7.96	4,941.60	17.57	0.53	-80.00	4.06	
14:13	2.5		7.96	4,950.00	17.56	0.43	-84.80	4.24	
14:16	3.0		7.95	4,957.40	17.52	0.38	-88.20	5.16	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/14/2024 14:16
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.95 pH 4,957.40 Spec. Cond. 17.52 Temp
Field Filtered: No Filter Type:
Water Level: 20.16 feet below TOC Drawdown: 3.94 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/14/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-390
Sample ID: 031
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 51 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:29 Static Water Level: 8.65 feet below TOC
Total Depth: 67.10 feet below TOC
Water Column: 58.45 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 58.45 ft. x 0.022 = 1.29 L x 3 Vol. = 3.87 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:30	0.0	219	purge start time						
11:34	0.9	↓	7.07	3,613.20	15.98	2.26	-110.10	6.47	
11:37	1.5		7.16	3,780.40	15.95	1.58	-116.70	10.74	
11:40	2.2		7.12	3,596.00	16.25	1.39	-112.60	16.00	
11:43	2.8		7.08	3,498.40	16.09	1.29	-105.80	21.44	
11:46	3.5		7.04	3,432.70	16.02	1.28	-99.50	27.12	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 11:46
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH 3,432.70 Spec. Cond. 16.02 Temp
Field Filtered: No Filter Type:
Water Level: 12.30 feet below TOC Drawdown: 3.65 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-391R
Sample ID: 032
Date (s): 11/1/2024

Field Team Members

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

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 11:39 Static Water Level: 71.22 feet below TOC
Total Depth: 72.15 feet below TOC
Water Column: 0.93 feet

Purging Activities

Purged By: TAC Purge Date: 11/1/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 0.9300000000000007 ft. x 0.022 = 0.02 L x 3 Vol. = 0.1 *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:41	0.0	44	purge start time						
N/A	0.8	↓							

Sampling Activities

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

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

- Well went dry during purge, no stabilization; no sample collected

Form Completed By: Tracy Carroll

Date: 11/1/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-392
Sample ID: 033
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 49 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:18 Static Water Level: 9.29 feet below TOC
Total Depth: 86.96 feet below TOC
Water Column: 77.67 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 77.665 ft. x 0.022 = 1.71 L x 3 Vol. = 5.13 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:19	0.0	184	purge start time						
10:26	1.3	↓	7.55	3,848.20	17.33	2.68	-138.30	2.98	
10:29	1.8		7.56	3,843.30	17.46	1.96	-142.30	2.55	
10:32	2.4		7.56	3,837.80	17.47	1.68	-142.40	3.37	
10:35	2.9		7.56	3,834.50	17.41	1.53	-141.90	5.00	
10:38	3.5		7.56	3,834.30	17.37	1.42	-141.50	6.99	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.56 pH 3,834.30 Spec. Cond. 17.37 Temp
Field Filtered: No Filter Type:
Water Level: 14.55 feet below TOC Drawdown: 5.26 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-393
Sample ID: 034
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 48 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:58 Static Water Level: 8.35 feet below TOC
Total Depth: 88.27 feet below TOC
Water Column: 79.92 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 79.921 ft. x 0.022 = 1.76 L x 3 Vol. = 5.28 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	219	purge start time						
10:02	0.9	↓	8.00	4,429.00	17.37	1.47	-180.50	3.03	
10:05	1.5		8.07	4,553.80	17.41	0.63	-215.30	1.93	
10:08	2.2		8.08	4,598.50	17.73	0.43	-234.70	1.63	
10:11	2.8		8.08	4,626.80	17.69	0.36	-247.80	1.52	
10:14	3.5		8.09	4,640.90	17.70	0.31	-257.50	1.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 10:14
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.09 pH 4,640.90 Spec. Cond. 17.70 Temp
Field Filtered: No Filter Type:
Water Level: 12.21 feet below TOC Drawdown: 3.86 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-394
Sample ID: 035
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 47 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:08 Static Water Level: 6.78 feet below TOC
Total Depth: 85.78 feet below TOC
Water Column: 79.00 feet

Purging Activities

Purged By: JC Purge Date: 10/15/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 79 ft. x 0.022 = 1.74 L x 3 Vol. = 5.22 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:09	0.0	200	purge start time						
9:17	1.6	↓	7.71	4,495.70	17.26	2.38	-156.50	6.02	
9:20	2.2		7.78	4,506.70	17.23	1.34	-232.50	3.13	
9:23	2.8		7.87	4,421.20	17.18	0.76	-284.50	9.76	
9:26	3.4		7.92	4,348.60	17.16	0.71	-291.90	13.72	
9:29	4.0		7.93	4,335.20	17.10	0.69	-291.70	39.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/15/2024 9:29
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.93 pH 4,335.20 Spec. Cond. 17.10 Temp
Field Filtered: No Filter Type:
Water Level: 13.31 feet below TOC Drawdown: 6.53 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: OW-156
Sample ID: 036
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 40 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:31 Static Water Level: 8.99 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 11.41 feet

Purging Activities

Purged By: TC Purge Date: 10/16/2024
Purge Method: Bailer Well Diameter: 2"
Purge Volume Calculation (L): 11.41 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L *Based on 3-Well Volumes
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:32	0.0	667	purge start time						
14:35	2.0	↓	6.55	1,053.90	19.66	3.81	-20.40	20.24	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/16/2024 14:35
Sample Method: _____ Sample Equipment: _____
Sample Parameters: 6.55 pH 1,053.90 Spec. Cond. 19.66 Temp _____
Field Filtered: _____ Filter Type: _____
Water Level: 9.35 feet below TOC Drawdown: 0.36 feet

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

- Field Meter: 46868
- Stabilization data only; no sample collected

Form Completed By: Tracy Carroll

Date: 10/16/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: OW-157
Sample ID: 037
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 62 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 12:54 Static Water Level: 6.29 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 14.11 feet

Purging Activities

Purged By: BG Purge Date: 10/17/2024
Purge Method: Bailer Well Diameter: 2"
Purge Volume Calculation (L): 14.11 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on 3-Well Volumes*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	400	purge start time						
12:56	1.0	↓	6.39	3,644.80	18.94	2.43	29.60	7.01	
12:59	2.2		6.33	3,633.90	18.74	2.21	38.10	6.22	
13:02	3.4		6.25	3,626.40	18.95	1.97	43.10	4.26	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/17/2024 13:02
Sample Method: Sample Equipment:
Sample Parameters: 6.25 pH 3,626.40 Spec. Cond. 18.95 Temp
Field Filtered: Filter Type:
Water Level: 7.69 feet below TOC Drawdown: 1.40 feet

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

- Field Meter: 223357
- Stabilization data only; no sample collected

Form Completed By: Brett Gillihan

Date: 10/17/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: OW-256
Sample ID: 038
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 49 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:11 Static Water Level: 11.66 feet below TOC
Total Depth: 35.60 feet below TOC
Water Column: 23.94 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 23.94 ft. x 0.022 = 0.53 L x 3 Vol. = 1.59 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:11	0.0	241	purge start time						
11:22	2.7	↓	6.89	563.10	15.79	1.46	-86.90	3.42	
11:25	3.4		6.86	561.60	15.82	1.25	-82.70	3.48	
11:28	4.1		6.84	559.60	15.84	1.14	-79.70	2.71	
11:31	4.8		6.83	558.60	15.80	1.06	-75.40	2.19	
11:34	5.5		6.82	554.90	15.91	1.02	-72.60	1.57	
11:37	6.3		6.82	552.10	15.87	0.96	-72.10	1.35	
11:40	7.0		6.82	548.80	15.97	0.91	-73.20	1.28	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 11:40
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.82 pH 548.80 Spec. Cond. 15.97 Temp
Field Filtered: No Filter Type: _____
Water Level: 12.00 feet below TOC Drawdown: 0.34 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: OW-257
Sample ID: 039
Date (s): 10/14/2024

Field Team Members

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

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 12:09 Static Water Level: 7.09 feet below TOC
Total Depth: 41.90 feet below TOC
Water Column: 34.81 feet

Purging Activities

Purged By: JC Purge Date: 10/14/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 34.81 ft. x 0.022 = 0.77 L x 3 Vol. = 2.31 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:20	0.0	196	purge start time						
12:30	2.0	↓	6.83	1,984.30	18.86	3.08	-92.80	117.36	
12:33	2.5		6.86	1,948.80	18.97	2.86	-89.40	49.47	
12:36	3.1		6.87	1,922.60	18.96	2.72	-87.40	50.71	
12:39	3.7		6.85	1,918.20	18.94	3.22	-83.10	8.07	
12:42	4.3		7.00	1,966.80	18.45	4.06	-92.70	5.00	
12:45	4.9		6.79	1,966.70	17.39	3.20	-89.00	4.07	
12:48	5.5		6.75	1,955.80	17.00	2.68	-86.30	2.68	
12:51	6.1		6.75	1,957.40	17.33	2.30	-87.30	3.09	
12:54	6.7		6.76	1,960.00	17.62	2.04	-89.90	2.50	
12:57	7.2		6.75	1,965.60	17.81	1.89	-90.10	3.85	
13:00	7.8		6.73	1,966.50	17.81	1.67	-89.40	2.15	
13:03	8.4		6.73	1,974.10	17.74	1.49	-89.40	1.96	
13:06	9.0		6.71	1,962.70	17.17	1.25	-88.80	3.41	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/14/2024 13:06
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH 1,962.70 Spec. Cond. 17.17 Temp
Field Filtered: No Filter Type:
Water Level: 21.60 feet below TOC Drawdown: 14.51 feet

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

- Field Meter: 43918



Form Completed By: *Adam Gdp*

Date: 10/14/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-170
Sample ID: 040
Date (s): 10/14/2024

Field Team Members

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

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 11:28 Static Water Level: 16.15 feet below TOC
Total Depth: 34.00 feet below TOC
Water Column: 17.85 feet

Purging Activities

Purged By: JC Purge Date: 10/14/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.85 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:29	0.0	167	purge start time						
11:32	0.5	↓	6.49	3,338.50	16.48	1.44	-207.60	1.63	
11:35	1.0		6.52	3,345.00	16.81	0.92	-239.50	0.30	
11:38	1.5		6.53	3,144.10	17.08	0.73	-232.80	-0.75	
11:41	2.0		6.51	3,006.10	17.09	0.67	-223.20	-0.79	
11:44	2.5		6.49	2,916.20	17.00	0.59	-218.30	-1.14	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/14/2024 11:44
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.49 pH 2,916.20 Spec. Cond. 17.00 Temp
Field Filtered: No Filter Type:
Water Level: 18.15 feet below TOC Drawdown: 2.00 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/14/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-174
Sample ID: 041
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:08 Static Water Level: 13.29 feet below TOC
Total Depth: 27.84 feet below TOC
Water Column: 14.55 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.55 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:08	0.0	219	purge start time						
12:16	1.7	↓	6.93	1,090.60	16.27	2.56	56.70	12.66	
12:19	2.4		6.94	1,086.80	16.31	2.33	60.20	13.78	
12:22	3.1		6.94	1,076.80	16.41	2.13	61.60	16.55	
12:25	3.7		6.95	1,071.50	16.49	1.92	61.70	17.68	
12:28	4.4		6.97	1,058.00	16.40	1.69	60.10	15.12	
12:31	5.0		6.98	1,040.20	16.50	1.41	57.40	10.33	
12:34	5.7		6.99	1,030.60	16.58	1.22	55.10	7.36	
12:37	6.3		6.99	1,026.70	16.61	1.10	53.30	5.95	
12:40	7.0		6.99	1,024.30	16.64	1.02	51.70	5.19	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 12:40
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.99 pH 1,024.30 Spec. Cond. 16.64 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 13.85 feet below TOC Drawdown: 0.56 feet

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

- Field Meter: 46868

Form Completed By: _____

Tracy Carroll

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-176
Sample ID: 042
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:03 Static Water Level: 13.33 feet below TOC
Total Depth: 31.43 feet below TOC
Water Column: 18.10 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.1 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	167	purge start time						
13:13	1.5	↓	6.83	546.40	15.58	1.89	-217.90	4.09	
13:16	2.0		6.82	544.90	15.40	1.73	-196.00	3.84	
13:19	2.5		6.81	544.30	15.36	1.64	-180.60	3.20	
13:22	3.0		6.81	545.00	15.47	1.62	-168.10	2.82	
13:25	3.5		6.79	551.40	15.28	1.50	-152.00	2.08	
13:28	4.0		6.78	558.00	15.14	1.38	-140.90	1.43	
13:31	4.5		6.78	559.30	15.09	1.28	-134.20	1.71	
13:34	5.0		6.78	558.80	15.23	1.20	-125.30	1.43	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 13:34
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.78 pH 558.80 Spec. Cond. 15.23 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 14.13 feet below TOC Drawdown: 0.80 feet

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

- Field Meter: 46868

Form Completed By: _____

Tracy Carroll

Date: 10/15/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-178
Sample ID: 043
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:59 Static Water Level: 9.78 feet below TOC
Total Depth: 45.71 feet below TOC
Water Column: 35.93 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.93 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:00	0.0	161	purge start time						
14:19	3.1	↓	6.79	584.90	16.06	1.18	-66.10	162.55	
14:22	3.5		6.79	583.40	15.79	1.11	-62.70	178.17	
14:25	4.0		6.79	583.10	15.64	0.99	-58.50	80.95	
14:28	4.5		6.80	580.20	16.12	0.96	-56.50	91.89	
14:31	5.0		6.80	583.10	16.19	0.93	-54.50	97.76	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 14:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH 583.10 Spec. Cond. 16.19 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 16.21 feet below TOC Drawdown: 6.43 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-182
Sample ID: 044
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 49 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:08 Static Water Level: 18.81 feet below TOC
Total Depth: 37.10 feet below TOC
Water Column: 18.29 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.29 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: Slight Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:09	0.0	241	purge start time						
10:26	4.1	↓	6.67	931.00	15.23	1.15	-169.80	9.07	
10:29	4.8		6.67	921.90	15.33	1.07	-167.10	4.02	
10:32	5.6		6.68	915.20	15.30	0.97	-167.10	2.47	
10:35	6.3		6.68	906.10	15.29	0.91	-166.90	1.54	
10:38	7.0		6.68	898.40	15.36	0.87	-165.30	0.88	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 10:38
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.68 pH 898.40 Spec. Cond. 15.36 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 18.95 feet below TOC Drawdown: 0.14 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: TPZ-164
Sample ID: 045
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 59 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:47 Static Water Level: 4.35 feet below TOC
Total Depth: 12.90 feet below TOC
Water Column: 8.55 feet

Purging Activities

Purged By: BG Purge Date: 10/17/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.55 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:47	0.0	67	purge start time						
12:05	1.2	↓	7.37	763.50	18.66	3.53	-85.80	79.57	
12:08	1.4		7.36	766.80	18.78	2.90	-89.70	117.28	
12:11	1.6		7.36	767.20	18.84	2.30	-90.40	247.83	
12:14	1.8		7.36	766.80	18.78	2.10	-91.50	3.38	
12:17	2.0		7.36	765.60	18.89	1.97	-91.90	3.13	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/17/2024 12:17
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.36 pH 765.60 Spec. Cond. 18.89 Temp
Field Filtered: No Filter Type:
Water Level: 4.89 feet below TOC Drawdown: 0.54 feet

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

- Field Meter: 223357

Form Completed By: Brett Gillihan

Date: 10/17/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: XPW01
Sample ID: 046
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 10:26 Static Water Level: 10.78 feet below TOC
Total Depth: 14.53 feet below TOC
Water Column: 3.75 feet

Purging Activities

Purged By: BG Purge Date: 10/17/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 3.754 ft. x 0.022 = 0.08 L x 3 Vol. = 0.24 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:26	0.0	89	purge start time						
10:36	0.9	↓	7.03	555.40	19.07	1.48	-22.00	53.81	
10:39	1.2		7.02	555.00	19.14	0.93	-27.40	33.67	
10:42	1.5		7.03	554.50	19.22	0.70	-30.60	20.04	
10:45	1.7		7.02	554.40	19.33	0.62	-32.70	14.62	
10:48	2.0		7.02	554.40	19.38	0.56	-34.60	12.35	
10:51	2.3		7.02	554.10	19.38	0.52	-36.20	9.48	
10:54	2.5		7.02	554.80	19.43	0.49	-37.40	7.28	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/17/2024 10:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 554.80 Spec. Cond. 19.43 Temp
Field Filtered: No Filter Type:
Water Level: 11.03 feet below TOC Drawdown: 0.25 feet

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

- Field Meter: 223357

Form Completed By: Brett Gillihan

Date: 10/17/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: XPW05
Sample ID: 047
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 56 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:05 Static Water Level: 4.94 feet below TOC
Total Depth: 31.15 feet below TOC
Water Column: 26.21 feet

Purging Activities

Purged By: BG Purge Date: 10/17/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 26.206 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:05	0.0	96	purge start time						
11:19	1.4	↓	7.55	709.60	18.41	0.43	-112.80	25.55	
11:22	1.7		7.62	704.40	18.42	0.35	-121.60	17.36	
11:25	2.0		7.65	701.50	18.45	0.31	-126.90	12.81	
11:28	2.3		7.67	699.90	18.51	0.29	-128.90	10.54	
11:31	2.5		7.67	699.40	18.52	0.27	-130.90	9.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/17/2024 11:31
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.67 pH 699.40 Spec. Cond. 18.52 Temp
Field Filtered: No Filter Type:
Water Level: 5.24 feet below TOC Drawdown: 0.30 feet

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

- Field Meter: 223357

Form Completed By: Brett Gillihan

Date: 10/17/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: XPW06
Sample ID: 048
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 45 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 10:01 Static Water Level: 2.54 feet below TOC
Total Depth: 9.66 feet below TOC
Water Column: 7.12 feet

Purging Activities

Purged By: BG Purge Date: 10/17/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.115 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:01	0.0	118	purge start time						
10:09	0.9	↓	7.16	931.50	17.38	3.20	-61.10	8.00	
10:12	1.3		7.24	889.90	18.02	1.53	-84.00	8.52	
10:15	1.6		7.31	849.70	18.55	0.89	-99.10	5.65	
10:18	2.0		7.36	819.90	18.66	0.60	-104.80	4.77	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/17/2024 10:18
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.36 pH 819.90 Spec. Cond. 18.66 Temp
Field Filtered: No Filter Type:
Water Level: 2.59 feet below TOC Drawdown: 0.05 feet

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

- Field Meter: 223357

Form Completed By: Brett Gillihan

Date: 10/17/2024

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: Field Blank
Sample ID: 049
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____ Locks

Yes	No
X	
	X

Casing _____ Protective Casing _____
Protective Casing _____ Well _____
Reference Mark/Identification _____

Groundwater Level Measurements

Date/Time Measured: _____ Static Water Level: _____ feet below TOC
Total Depth: - feet below TOC
Water Column: _____ feet

Purging Activities

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

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

Sampling Activities

Sampled By: TC Sample Date/Time: 10/17/2024 13:08
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. _____ Temp _____
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

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

- Field Meter: 46868

Form Completed By: 

Date: 10/17/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: MW-304 Duplicate
Sample ID: 050
Date (s): 10/16/2024

Field Team Members

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

Weather Conditions

Temp: 40 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 8:58 Static Water Level: 9.54 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 47.96 feet

Purging Activities

Purged By: JC Purge Date: 10/16/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 47.96 ft. x 0.022 = 1.06 L x 3 Vol. = 3.18 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:05	0.0	214	purge start time						
9:12	1.5	↓	7.65	2,611.60	15.46	2.75	-66.00	1.62	
9:15	2.1		7.66	2,605.30	15.34	2.04	-57.70	1.71	
9:18	2.8		7.66	2,597.00	15.32	1.72	-51.90	2.00	
9:21	3.4		7.65	2,588.70	15.35	1.52	-47.50	2.01	
9:24	4.1		7.64	2,579.10	15.30	1.39	-43.50	2.48	
9:27	4.7		7.60	2,567.20	15.28	1.27	-39.50	3.91	
9:30	5.4		7.56	2,553.70	15.29	1.26	-35.50	5.23	
9:33	6.0		7.54	2,541.30	15.29	1.24	-32.10	6.32	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/16/2024 9:33
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.54 pH 2,541.30 Spec. Cond. 15.29 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 16.00 feet below TOC Drawdown: 6.46 feet

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

- Field Meter: 43918

Form Completed By: Justin Colp

Date: 10/16/2024



Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: PZ-178 Duplicate
Sample ID: 051
Date (s): 10/15/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:59 Static Water Level: 9.78 feet below TOC
Total Depth: 45.71 feet below TOC
Water Column: 35.93 feet

Purging Activities

Purged By: TC Purge Date: 10/15/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.93 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:00	0.0	161	purge start time						
14:19	3.1	↓	6.79	584.90	16.06	1.18	-66.10	162.55	
14:22	3.5		6.79	583.40	15.79	1.11	-62.70	178.17	
14:25	4.0		6.79	583.10	15.64	0.99	-58.50	80.95	
14:28	4.5		6.80	580.20	16.12	0.96	-56.50	91.89	
14:31	5.0		6.80	583.10	16.19	0.93	-54.50	97.76	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/15/2024 14:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH 583.10 Spec. Cond. 16.19 Temp
Field Filtered: Yes Filter Type: In-Line Disposable
Water Level: 16.21 feet below TOC Drawdown: 6.43 feet

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

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 10/15/2024

Field Data Sheet

Project Name: BAL-24Q4
Project Location: Baldwin, Illinois
W.O. Number (s): 24100001

Monitoring Point: Equipment Blank 1
Sample ID: 052
Date (s): 10/17/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: _____ Static Water Level: _____ feet below TOC
Total Depth: - feet below TOC
Water Column: _____ feet

Purging Activities

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

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

Sampling Activities

Sampled By: JC Sample Date/Time: 10/17/2024 13:31
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

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

- Field Meter: 43918
- Collected from non-dedicated submersible pump

Form Completed By: 

Date: 10/17/2024

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/14/24 8:51
7.0 Buffer	wc240913b	7.00	10/14/24 8:46
10.0 Buffer	wc240625b	10.00	10/14/24 8:55
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/14/24 9:00

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.31	10/14/24 9:00
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	10/14/24 9:02	15.4	6.98	1,410	0.33		
CCV-1-JC	CCV	10/14/24 14:25	21.6	7.04	1,424	0.37		

Comments: _____

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/15/24 8:47
7.0 Buffer	wc240913b	7.00	10/15/24 8:41
10.0 Buffer	wc240625b	10.00	10/15/24 8:51
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/15/24 8:55

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	10/15/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	10/15/24 8:59	15.1	7.01	1,408	0.42		
CCV-2-JC	CCV	10/15/24 15:31	18.5	7.02	1,420	0.34		

Comments: _____

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/16/24 8:40
7.0 Buffer	wc240913b	7.00	10/16/24 8:35
10.0 Buffer	wc240625b	10.00	10/16/24 8:44
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/16/24 8:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	10/16/24 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	10/16/24 8:58	7.3	7.03	1,414	0.45		
CCV-3-JC	CCV	10/16/24 15:05	16.3	7.03	1,425	0.47		

Comments: _____

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223357 Technician(s): Brett Gillihan Date: 10/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	10/17/24 9:00
7.0 Buffer	WC240913B	7.00	10/17/24 8:58
10.0 Buffer	WC240625B	9.99	10/17/24 9:03
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1418	10/17/24 9:07

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	10/17/24 9:10
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	10/17/24 9:10	18.8	7.00	1,418	1.8		
CCV-1-BG	CCV	10/17/24 13:04	22.5	6.99	1,418	1.8		

Comments: _____

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/15/24 9:40
7.0 Buffer	WC240913B	7.00	10/15/24 9:34
10.0 Buffer	WC240625B	10.00	10/15/24 9:45
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/15/24 9:56

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	10/15/24 9:46	14.2	7.00	1,410	1.26		
CCV-1-TC	CCV	10/15/24 14:53	17.5	7.00	1,418	0.88		

Comments:

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/16/24 9:16
7.0 Buffer	WC240913B	7.00	10/16/24 9:10
10.0 Buffer	WC240625B	10.00	10/16/24 9:20
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/16/24 9:20

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	10/16/24 9:20	9.2	7.08	1,418	0.88		
CCV-2-TC	CCV	10/16/24 15:04	19.7	7.09	1,422	0.99		

Comments:

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID:	Pine 46868			Technician(s):	Tracy Carroll			Date:	10/17/2024		
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time				
	4.0 Buffer	WC240612A	4.00		10/17/24 9:08	1,412 µS Std.	100029	1412	10/17/24 9:14		
	7.0 Buffer	WC240913B	7.00		10/17/24 9:06	Turbidity Standard	LIMS ID	Reading	Date/Time		
	10.0 Buffer	WC240625B	10.00		10/17/24 9:09		0 NTU (DI Water)	1			
LCS/CCV (7.0 Buffer)	WC240913C			124 NTU	95834						
ORP Standard	LIMS ID/Lot#	Reading	Date/Time	D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time				
					100%	N/A					

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	10/17/24 9:16	9.3	7.06	1,413	1.02		
CCV-3-TC	CCV	10/17/24 15:04	15.6	7.08	1,444	0.99		

Comments: _____

Site Sampling Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 11/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	11/1/24 9:41
7.0 Buffer	WC240913B	7.00	11/1/24 9:40
10.0 Buffer	WC240625B	10.01	11/1/24 9:41
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1418	11/1/24 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	11/1/24 9:41
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG-2	LCS	11/1/24 9:42	18.5	7.00	1,418	1.6		
CCV-1-BG-2	CCV	11/1/24 12:15	20	7.01	1,418	1.6		

Comments: _____



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Group # 5				Range Acc % 0.0000				
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000				
Stated Accy Pct of Reading				Plus/Minus 0.0				
<u>Nom In Val / In Val</u>		<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.0 / 100.0		%	100.0	%	96.6	100.0	0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
MD COND 1.413 3GH1514	CA 1.413 COND (LOT# 4GB0749	GFS	31986	1.413 COND (LOT# 4GB0749		2/5/2025
MD ORP 240 4GE1370	MD ORP 240 4GE1370	AquaPhoenix Scientific	32001	4GE1370	6/24/2024	2/28/2025
MD PH10 2GI302	MD PH10 2GI302	AquaPhoenix Scientific	32034	2GI302		9/30/2024
MD PH4 3GI0465	MD PH4 3GI0465	AquaPhoenix Scientific	32017	3GI0465		9/30/2025
MD PH7 2GI0389	MD PH7 2GI0389	AquaPhoenix Scientific	32025	3GI0389	12/20/2024	9/30/2025
MD TURB 0 NTU 24007124	MD TURB 0 NTU 24007124	AMCOCLEAR	8483	24007124	2/1/2024	12/31/2024

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chuck Wallace

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot 18K101874
Number
Location Maryland
Department

State Certified
Status Pass
Temp °C 23
Humidity % 69

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	6.90	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	FNU	0.00	FNU	0.70	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	130.54	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.323	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	247.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>

INSTRUMENT CALIBRATION REPORT

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601



Pine Environmental Services LLC

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 46868

Description YSI Pro DSS Sonde

Calibrated 9/26/2024 8:31:10AM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.00	
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>
100.00 / 100.00	%	100.00	%
		<u>End As</u>	<u>Lft As</u>
		99.10	100.30
		<u>Dev%</u>	<u>Pass/Fail</u>
		0.30%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
NJ COND 1413: 4GC1194	1413 conductivity standard	AquaPhoenix Scientific	CS1413	4GC1194	5/20/2024	3/31/2025
NJ ORP 240MV: 4GD1716	ORP solution 240mv	AquaPhoenix Scientific	ORP 240mV	4GD1716	5/30/2024	1/31/2025
NJ PH 10: 4GC0600	BUFFER, PH10 BLUE	AquaPhoenix Scientific	PH10	4GC0600	5/23/2024	3/31/2026
NJ PH 4: 4GC0528	BUFFER, PH4 RED	AquaPhoenix Scientific	BU5004	4GC0528	5/23/2024	3/31/2026
NJ PH 7: 4GC0526	BUFFER, PH7 YELLOW	AquaPhoenix Scientific	BU5007	4GC0526	5/20/2024	3/31/2026
NJ TURB 0.0 NTU: 24010121	0.0 NTU STANDARD	GFS	8483	24010121	5/15/2024	3/31/2025
NJ TURB 124 NTU LOT: 24011758	124 NTU STANDARD	GFS	8172	24011758	5/24/2024	5/31/2025

Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated James Stelle

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment

Please call 800-301-9663 for Technical Assistance

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 8:31:10AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19K103392
Location New Jersey
Department

State Certified
Status Pass
Temp °C 22.5
Humidity % 62

Calibration Specifications

Group # 1 Group Name PH Stated Accy Pct of Reading				Range Acc % 0.0000 Reading Acc % 3.0000 Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.11	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.09	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.84	10.03	0.30%	Pass

Group # 2 Group Name Turbidity (NTU) Stated Accy Pct of Reading				Range Acc % 0.0000 Reading Acc % 3.0000 Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	4.20	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	117.70	124.00	0.00%	Pass

Group # 3 Group Name Conductivity Stated Accy Pct of Reading				Range Acc % 0.0000 Reading Acc % 3.0000 Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.453	1.413	0.00%	Pass

Group # 4 Group Name Redox (ORP) Stated Accy Pct of Reading				Range Acc % 0.0000 Reading Acc % 3.0000 Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	235.80	240.00	0.00%	Pass

Group # 5 Group Name Dissolved Oxygen Span Stated Accy Pct of Reading				Range Acc % 0.0000 Reading Acc % 3.0000 Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103125
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.20	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.14	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.10	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.16	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	135.47	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.484	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	235.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date /	
					Last Cal Date /	Expiration Date
					Opened Date	
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00	%	100.00	%	99.10	100.00	0.00%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/	Next Cal Date /
					Opened Date	Expiration Date
TN 1.413 3GL1056	TN 1.413 3GL1056	AquaPhoenix Scientific	31986	3GL1056		12/21/2024
TN 126 TURB NTU	TN TURB 126 NTU	YSI	607300	24G24012705		7/30/2025
TN AUTOCAL 24010121	TN AUTOCAL 24010121	GFS	8483	24010121		4/29/2025
TN ORP 4GD1716	TN ORP 4GD1716	AquaPhoenix Scientific	32001	4GD1716		1/1/2025
TN PH10 2GJ290	TN PH10 2GJ290	AquaPhoenix Scientific	32034	2GJ290		10/21/2024
TN PH4 3GL0108	TN PH4 3GL0108	AquaPhoenix Scientific	32017	3GL0108		12/21/2024
TN PH7 4GA0071	TN PH7 4GA0071	AquaPhoenix Scientific	32025	4GA0071		1/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Justin C. Moore

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot 24b105093
Number
Location Tennessee
Department

State Certified
Status Pass
Temp °C 73
Humidity % 64

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	6.99	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.12	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.97	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.81	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.56	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.421	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	217.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 4, 2024**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00230
MW-192	UU	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	43	CI around geomean	0.0012	0.00578
MW-192	UU	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0903	0.261
MW-192	UU	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-192	UU	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	14	CI around mean	0.0258	2.23
MW-192	UU	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-192	UU	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	10.7	1,370
MW-192	UU	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.0015	0.0125
MW-192	UU	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	50	CI around median	0.001	0.00220
MW-192	UU	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around median	0.41	3.36
MW-192	UU	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00220
MW-192	UU	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	7	CB around linear reg	-0.0237	0.123
MW-192	UU	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.0002
MW-192	UU	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	21	CB around T-S line	-0.00419	0.0782
MW-192	UU	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	6.7/6.9	7.3/8.4
MW-192	UU	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.338	4.14
MW-192	UU	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00320
MW-192	UU	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	-8.13	228
MW-192	UU	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002
MW-192	UU	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around T-S line	-10.8	3,260
MW-193	UU	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.00230
MW-193	UU	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	36	CB around T-S line	-0.0014	0.00578
MW-193	UU	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	0.0743	0.261
MW-193	UU	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-193	UU	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	7	CI around mean	0.039	2.23
MW-193	UU	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-193	UU	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	29.4	1,370

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.0015	0.0125
MW-193	UU	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.00220
MW-193	UU	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around geomean	0.246	3.36
MW-193	UU	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00220
MW-193	UU	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	14	CI around mean	0.00399	0.123
MW-193	UU	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.0002
MW-193	UU	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.0782
MW-193	UU	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	6.7/7.0	7.3/8.4
MW-193	UU	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.479	4.14
MW-193	UU	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00320
MW-193	UU	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	154	228
MW-193	UU	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002
MW-193	UU	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	548	3,260
MW-356	UA	E007	Antimony, total	mg/L	12/29/15 - 10/16/24	29	90	CI around median	0.001	0.00230
MW-356	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/16/24	32	84	CI around median	0.001	0.00578
MW-356	UA	E007	Barium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0299	0.261
MW-356	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.001
MW-356	UA	E007	Boron, total	mg/L	12/29/15 - 10/16/24	33	0	CI around median	1.94	2.23
MW-356	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.001
MW-356	UA	E007	Chloride, total	mg/L	12/29/15 - 10/16/24	33	0	CB around linear reg	27.4	1,370
MW-356	UA	E007	Chromium, total	mg/L	12/29/15 - 10/16/24	31	100	All ND - Last	0.0015	0.0125
MW-356	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/16/24	30	100	All ND - Last	0.001	0.00220
MW-356	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/16/24	33	0	CB around linear reg	2	3.36
MW-356	UA	E007	Lead, total	mg/L	12/29/15 - 10/16/24	30	97	CI around median	0.001	0.00220
MW-356	UA	E007	Lithium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0523	0.123
MW-356	UA	E007	Mercury, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.0002	0.0002
MW-356	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/16/24	32	62	CI around median	0.0015	0.0782

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E007	pH (field)	SU	12/29/15 - 10/16/24	33	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/16/24	32	0	CI around median	0.146	4.14
MW-356	UA	E007	Selenium, total	mg/L	12/29/15 - 10/16/24	29	100	All ND - Last	0.001	0.00320
MW-356	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/16/24	33	0	CI around mean	44.1	228
MW-356	UA	E007	Thallium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.002	0.002
MW-356	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/16/24	32	0	CI around mean	660	3,260
MW-369	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	23	78	CI around median	0.001	0.00230
MW-369	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	12	CI around geomean	0.00145	0.00578
MW-369	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.0739	0.261
MW-369	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.001
MW-369	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	27	0	CB around linear reg	-0.206	2.23
MW-369	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.001
MW-369	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around geomean	84.1	1,370
MW-369	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	25	92	CB around T-S line	0.0015	0.0125
MW-369	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	75	CI around median	0.001	0.00220
MW-369	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CB around T-S line	-0.295	3.36
MW-369	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	24	96	CI around median	0.001	0.00220
MW-369	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	26	4	CB around T-S line	0.00831	0.123
MW-369	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.0002
MW-369	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	4	CB around T-S line	-0.00639	0.0782
MW-369	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	27	0	CI around mean	7.4/8.0	7.3/8.4
MW-369	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CI around mean	0.459	4.14
MW-369	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	23	70	CB around T-S line	-0.00691	0.00320
MW-369	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	27	0	CB around T-S line	-20.8	228
MW-369	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002
MW-369	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	27	0	CI around median	732	3,260
MW-370	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	29	76	CB around T-S line	0.000298	0.00230

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-370	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	32	62	CB around T-S line	0.000147	0.00578
MW-370	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	32	0	CB around T-S line	0.0273	0.261
MW-370	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.001
MW-370	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	33	0	CI around median	1.77	2.23
MW-370	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.001
MW-370	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	33	0	CB around linear reg	1,400	1,370
MW-370	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	31	97	CB around T-S line	0.0015	0.0125
MW-370	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	30	97	CI around median	0.001	0.00220
MW-370	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	33	0	CB around T-S line	3.05	3.36
MW-370	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	30	100	All ND - Last	0.001	0.00220
MW-370	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	32	0	CI around mean	0.133	0.123
MW-370	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.0002	0.0002
MW-370	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	32	3	CB around T-S line	0.00277	0.0782
MW-370	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	33	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	32	0	CI around geomean	0.576	4.14
MW-370	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	29	97	Most recent sample	0.001	0.00320
MW-370	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	33	0	CI around mean	249	228
MW-370	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.002	0.002
MW-370	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	33	0	CB around linear reg	2,990	3,260
MW-382	UA	E007	Antimony, total	mg/L	12/29/15 - 10/15/24	23	96	Most recent sample	0.001	0.00230
MW-382	UA	E007	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	19	CI around median	0.0012	0.00578
MW-382	UA	E007	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around mean	0.0185	0.261
MW-382	UA	E007	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	95	CI around median	0.001	0.001
MW-382	UA	E007	Boron, total	mg/L	12/29/15 - 10/15/24	27	0	CI around median	1.71	2.23
MW-382	UA	E007	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.001
MW-382	UA	E007	Chloride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around mean	34.3	1,370
MW-382	UA	E007	Chromium, total	mg/L	12/29/15 - 10/15/24	25	8	CB around linear reg	0.00842	0.0125

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-382	UA	E007	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	58	CB around T-S line	0.001	0.00220
MW-382	UA	E007	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around mean	2.83	3.36
MW-382	UA	E007	Lead, total	mg/L	12/29/15 - 10/15/24	24	50	CB around linear reg	0.00242	0.00220
MW-382	UA	E007	Lithium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around geomean	0.0581	0.123
MW-382	UA	E007	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.0002
MW-382	UA	E007	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	23	CI around geomean	0.00133	0.0782
MW-382	UA	E007	pH (field)	SU	12/29/15 - 10/15/24	27	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.508	4.14
MW-382	UA	E007	Selenium, total	mg/L	12/29/15 - 10/15/24	23	100	All ND - Last	0.001	0.00320
MW-382	UA	E007	Sulfate, total	mg/L	12/29/15 - 10/15/24	27	0	CB around linear reg	361	228
MW-382	UA	E007	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002
MW-382	UA	E007	Total Dissolved Solids	mg/L	12/29/15 - 10/15/24	27	0	CI around median	1,120	3,260
MW-392	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00230
MW-392	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.001	0.00578
MW-392	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0383	0.261
MW-392	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-392	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1.72	2.23
MW-392	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-392	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	827	1,370
MW-392	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.0015	0.0125
MW-392	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.00220
MW-392	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	4.06	3.36
MW-392	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.00220
MW-392	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0643	0.123
MW-392	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.0002
MW-392	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.0782
MW-392	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	15	0	CI around median	7.6/7.7	7.3/8.4

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.37	4.14
MW-392	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00320
MW-392	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around geomean	50	228
MW-392	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002
MW-392	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	1,690	3,260
MW-393	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	86	CI around median	0.001	0.00230
MW-393	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00578
MW-393	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0267	0.261
MW-393	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-393	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	1.61	2.23
MW-393	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-393	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	752	1,370
MW-393	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.0015	0.0125
MW-393	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	93	CI around median	0.001	0.00220
MW-393	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	9.03	3.36
MW-393	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00220
MW-393	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0618	0.123
MW-393	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.0002
MW-393	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.0015	0.0782
MW-393	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	15	0	CI around mean	7.9/8.3	7.3/8.4
MW-393	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.241	4.14
MW-393	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.00320
MW-393	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	176	228
MW-393	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002
MW-393	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CB around T-S line	2,490	3,260
MW-394	UA	E007	Antimony, total	mg/L	10/27/22 - 10/15/24	14	71	CB around T-S line	-0.00183	0.00230
MW-394	UA	E007	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	57	CI around median	0.001	0.00578

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MW-394	UA	E007	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0259	0.261
MW-394	UA	E007	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-394	UA	E007	Boron, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1.62	2.23
MW-394	UA	E007	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.001
MW-394	UA	E007	Chloride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	528	1,370
MW-394	UA	E007	Chromium, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.0015	0.0125
MW-394	UA	E007	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00220
MW-394	UA	E007	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	3.55	3.36
MW-394	UA	E007	Lead, total	mg/L	10/27/22 - 10/15/24	14	79	CI around median	0.001	0.00220
MW-394	UA	E007	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0545	0.123
MW-394	UA	E007	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.0002
MW-394	UA	E007	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	43	CB around linear reg	-0.00554	0.0782
MW-394	UA	E007	pH (field)	SU	10/27/22 - 10/15/24	14	0	CI around mean	7.8/8.0	7.3/8.4
MW-394	UA	E007	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.386	4.14
MW-394	UA	E007	Selenium, total	mg/L	10/27/22 - 10/15/24	14	93	Most recent sample	0.001	0.00320
MW-394	UA	E007	Sulfate, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	-6.09	228
MW-394	UA	E007	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002
MW-394	UA	E007	Total Dissolved Solids	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	1,860	3,260
OW-256	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.00230
OW-256	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	38	CI around median	0.001	0.00578
OW-256	PMP	E007	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0791	0.261
OW-256	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.001
OW-256	PMP	E007	Boron, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.168	2.23
OW-256	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.001
OW-256	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	52.8	1,370
OW-256	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.0015	0.0125
OW-256	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	62	CI around median	0.001	0.00220

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OW-256	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.236	3.36
OW-256	PMP	E007	Lead, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.00220
OW-256	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.00449	0.123
OW-256	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.0015	0.0782
OW-256	PMP	E007	pH (field)	SU	03/14/23 - 10/15/24	8	0	CI around mean	6.7/6.9	7.3/8.4
OW-256	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.383	4.14
OW-256	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.00320
OW-256	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	65.4	228
OW-256	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002
OW-256	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	484	3,260
OW-257	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/14/24	8	50	CI around geomean	0.000876	0.00230
OW-257	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/14/24	8	12	CI around median	0.0016	0.00578
OW-257	PMP	E007	Barium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0988	0.261
OW-257	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/14/24	8	88	CI around median	0.0005	0.001
OW-257	PMP	E007	Boron, total	mg/L	03/14/23 - 10/14/24	8	0	CI around mean	0.461	2.23
OW-257	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/14/24	8	88	CI around median	0.001	0.001
OW-257	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/14/24	8	0	CI around mean	6.94	1,370
OW-257	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.0015	0.0125
OW-257	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.001	0.00220
OW-257	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/14/24	8	12	CI around mean	0.325	3.36
OW-257	PMP	E007	Lead, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.001	0.00220
OW-257	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0268	0.123
OW-257	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.0026	0.0782
OW-257	PMP	E007	pH (field)	SU	03/14/23 - 10/14/24	8	0	CI around mean	6.7/7.2	7.3/8.4
OW-257	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around geomean	0.383	4.14

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.001	0.00320
OW-257	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/14/24	8	0	CB around linear reg	83.9	228
OW-257	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.002	0.002
OW-257	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/14/24	8	0	CI around median	682	3,260
PZ-170	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.001	0.00230
PZ-170	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/14/24	7	43	CI around median	0.001	0.00578
PZ-170	PMP	E007	Barium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0601	0.261
PZ-170	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.001
PZ-170	PMP	E007	Boron, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.245	2.23
PZ-170	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.001
PZ-170	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/14/24	7	0	CI around median	35	1,370
PZ-170	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.0015	0.0125
PZ-170	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.00089	0.00220
PZ-170	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.182	3.36
PZ-170	PMP	E007	Lead, total	mg/L	03/14/23 - 10/14/24	7	86	CI around median	0.001	0.00220
PZ-170	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0281	0.123
PZ-170	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E007	pH (field)	SU	03/14/23 - 10/14/24	8	0	CI around mean	6.5/6.7	7.3/8.4
PZ-170	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around mean	0.198	4.14
PZ-170	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	178	228
PZ-170	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.002	0.002
PZ-170	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	887	3,260
PZ-182	PMP	E007	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E007	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.00578
PZ-182	PMP	E007	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0556	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E007	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.001
PZ-182	PMP	E007	Boron, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.411	2.23
PZ-182	PMP	E007	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.001
PZ-182	PMP	E007	Chloride, total	mg/L	03/14/23 - 10/15/24	8	0	CI around geomean	23.9	1,370
PZ-182	PMP	E007	Chromium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E007	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	88	Most recent sample	0.001	0.00220
PZ-182	PMP	E007	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.152	3.36
PZ-182	PMP	E007	Lead, total	mg/L	03/14/23 - 10/15/24	8	88	CI around median	0.001	0.00220
PZ-182	PMP	E007	Lithium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0107	0.123
PZ-182	PMP	E007	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E007	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E007	pH (field)	SU	03/14/23 - 10/15/24	8	0	CI around mean	6.5/6.7	7.3/8.4
PZ-182	PMP	E007	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.327	4.14
PZ-182	PMP	E007	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E007	Sulfate, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	136	228
PZ-182	PMP	E007	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002
PZ-182	PMP	E007	Total Dissolved Solids	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	624	3,260

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

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 Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Bottom Ash Pond. The proposed groundwater monitoring program was revised on August 1, 2023. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E007 = Quarter 4, 2024 sampling event

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

For pH, the values presented are the lower / upper limits of the background determination