



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

February 9, 2024

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, 2023 sampling event at the Baldwin Power Plant Bottom Ash Pond, 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), an alternative source demonstration (ASD) was submitted on October 27, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of chloride and fluoride that the ASD applies to were detected during the Quarter 4, 2023 sampling event in the same monitoring wells identified in the approved ASD. The IEPA provided a written concurrence with the ASD on November 28, 2023; therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

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, 2023, Bottom Ash Pond, Baldwin Power Plant, Baldwin, Illinois

**35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 4, 2023
BOTOM ASH POND, BALDWIN POWER PLANT, BALDWIN, ILLINOIS**

February 9, 2024

Samples were collected between October 30 and November 3, 2023 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 11, 2023.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2023 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, 2023 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 4, 2023 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. 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 demonstration² (ASD) was submitted on October 27, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of chloride and fluoride were detected during the Quarter 4, 2023 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, 2023³; therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 4, 2023
Table 2	Comparison of Statistical Results to GWPS - Quarter 4, 2023

¹ 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.*

² Geosyntec Consultants (Geosyntec), 2023. *Alternative Source Demonstration, Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), IEPA ID: W1578510001-06, 35 IAC 845.650. October 27, 2023.*

³ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Illinois Power Generating Company): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal. November 28, 2023.*

FIGURES

Figure 1 Monitoring Well Location Map

ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 4, 2023

Attachment B Laboratory Reports and Field Data Sheets - Quarter 4, 2023

Attachment C Comparison of Statistical Results to Background - Quarter 4, 2023

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-304	Background	E003	11/01/2023	Arsenic, total	0.00240	mg/L
MW-304	Background	E003	11/01/2023	Barium, total	0.0199	mg/L
MW-304	Background	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E003	11/01/2023	Boron, total	1.67	mg/L
MW-304	Background	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E003	11/01/2023	Calcium, total	12.0	mg/L
MW-304	Background	E003	11/01/2023	Chloride, total	166	mg/L
MW-304	Background	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-304	Background	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E003	11/01/2023	Dissolved Oxygen	0.800	mg/L
MW-304	Background	E003	11/01/2023	Fluoride, total	1.91	mg/L
MW-304	Background	E003	11/01/2023	Lead, total	0.0006 U	mg/L
MW-304	Background	E003	11/01/2023	Lithium, total	0.0807	mg/L
MW-304	Background	E003	11/01/2023	Mercury, total	0.00006 U	mg/L
MW-304	Background	E003	11/01/2023	Molybdenum, total	0.0009 J	mg/L
MW-304	Background	E003	11/01/2023	Oxidation Reduction Potential	-56.0	mV
MW-304	Background	E003	11/01/2023	pH (field)	7.8	SU
MW-304	Background	E003	11/01/2023	Radium 226 + Radium 228, total	0.521	pCi/L
MW-304	Background	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-304	Background	E003	11/01/2023	Specific Conductance @ 25C (field)	2,370	micromhos/cm
MW-304	Background	E003	11/01/2023	Sulfate, total	191	mg/L
MW-304	Background	E003	11/01/2023	Temperature	15.3	degrees C
MW-304	Background	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-304	Background	E003	11/01/2023	Total Dissolved Solids	1,470	mg/L
MW-304	Background	E003	11/01/2023	Turbidity, field	1.70	NTU
MW-306	Background	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-306	Background	E003	11/03/2023	Arsenic, total	0.00980	mg/L
MW-306	Background	E003	11/03/2023	Barium, total	0.00350	mg/L
MW-306	Background	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-306	Background	E003	11/03/2023	Boron, total	0.425	mg/L
MW-306	Background	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-306	Background	E003	11/03/2023	Calcium, total	1.89	mg/L
MW-306	Background	E003	11/03/2023	Chloride, total	71.0	mg/L
MW-306	Background	E003	11/03/2023	Chromium, total	0.0007 U	mg/L
MW-306	Background	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-306	Background	E003	11/03/2023	Dissolved Oxygen	1.41	mg/L
MW-306	Background	E003	11/03/2023	Fluoride, total	0.890	mg/L
MW-306	Background	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-306	Background	E003	11/03/2023	Lithium, total	0.0199	mg/L
MW-306	Background	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-306	Background	E003	11/03/2023	Molybdenum, total	0.0179	mg/L
MW-306	Background	E003	11/03/2023	Oxidation Reduction Potential	-173	mV
MW-306	Background	E003	11/03/2023	pH (field)	10.5	SU
MW-306	Background	E003	11/03/2023	Radium 226 + Radium 228, total	0.631	pCi/L
MW-306	Background	E003	11/03/2023	Selenium, total	0.0008 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-306	Background	E003	11/03/2023	Specific Conductance @ 25C (field)	622	micromhos/cm
MW-306	Background	E003	11/03/2023	Sulfate, total	50.0	mg/L
MW-306	Background	E003	11/03/2023	Temperature	14.9	degrees C
MW-306	Background	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-306	Background	E003	11/03/2023	Total Dissolved Solids	440	mg/L
MW-306	Background	E003	11/03/2023	Turbidity, field	8.90	NTU
MW-358	Background	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-358	Background	E003	11/01/2023	Arsenic, total	0.00510	mg/L
MW-358	Background	E003	11/01/2023	Barium, total	0.162	mg/L
MW-358	Background	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E003	11/01/2023	Boron, total	1.38	mg/L
MW-358	Background	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E003	11/01/2023	Calcium, total	11.3	mg/L
MW-358	Background	E003	11/01/2023	Chloride, total	1,310	mg/L
MW-358	Background	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-358	Background	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-358	Background	E003	11/01/2023	Dissolved Oxygen	1.65	mg/L
MW-358	Background	E003	11/01/2023	Fluoride, total	3.59	mg/L
MW-358	Background	E003	11/01/2023	Lead, total	0.0162	mg/L
MW-358	Background	E003	11/01/2023	Lithium, total	0.0921	mg/L
MW-358	Background	E003	11/01/2023	Mercury, total	0.00012 J	mg/L
MW-358	Background	E003	11/01/2023	Molybdenum, total	0.0131	mg/L
MW-358	Background	E003	11/01/2023	Oxidation Reduction Potential	-162	mV
MW-358	Background	E003	11/01/2023	pH (field)	7.9	SU
MW-358	Background	E003	11/01/2023	Radium 226 + Radium 228, total	0.956 U*	pCi/L
MW-358	Background	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-358	Background	E003	11/01/2023	Specific Conductance @ 25C (field)	5,630	micromhos/cm
MW-358	Background	E003	11/01/2023	Sulfate, total	11.0	mg/L
MW-358	Background	E003	11/01/2023	Temperature	14.6	degrees C
MW-358	Background	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-358	Background	E003	11/01/2023	Total Dissolved Solids	3,140	mg/L
MW-358	Background	E003	11/01/2023	Turbidity, field	55.0	NTU
MW-192	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
MW-192	Compliance	E003	10/31/2023	Arsenic, total	0.00300	mg/L
MW-192	Compliance	E003	10/31/2023	Barium, total	0.118	mg/L
MW-192	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E003	10/31/2023	Boron, total	0.0293	mg/L
MW-192	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E003	10/31/2023	Calcium, total	74.8	mg/L
MW-192	Compliance	E003	10/31/2023	Chloride, total	22.0	mg/L
MW-192	Compliance	E003	10/31/2023	Chromium, total	0.00170	mg/L
MW-192	Compliance	E003	10/31/2023	Cobalt, total	0.00130	mg/L
MW-192	Compliance	E003	10/31/2023	Dissolved Oxygen	1.26	mg/L
MW-192	Compliance	E003	10/31/2023	Fluoride, total	0.490	mg/L
MW-192	Compliance	E003	10/31/2023	Lead, total	0.00120	mg/L
MW-192	Compliance	E003	10/31/2023	Lithium, total	0.00450	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-192	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E003	10/31/2023	Molybdenum, total	0.00160	mg/L
MW-192	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-115	mV
MW-192	Compliance	E003	10/31/2023	pH (field)	6.8	SU
MW-192	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	1.28 U*	pCi/L
MW-192	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	774	micromhos/cm
MW-192	Compliance	E003	10/31/2023	Sulfate, total	20.0	mg/L
MW-192	Compliance	E003	10/31/2023	Temperature	16.3	degrees C
MW-192	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E003	10/31/2023	Total Dissolved Solids	420	mg/L
MW-192	Compliance	E003	10/31/2023	Turbidity, field	23.0	NTU
MW-193	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
MW-193	Compliance	E003	10/31/2023	Arsenic, total	0.00140	mg/L
MW-193	Compliance	E003	10/31/2023	Barium, total	0.0779	mg/L
MW-193	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E003	10/31/2023	Boron, total	0.0511 J+	mg/L
MW-193	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E003	10/31/2023	Calcium, total	87.1	mg/L
MW-193	Compliance	E003	10/31/2023	Chloride, total	34.0	mg/L
MW-193	Compliance	E003	10/31/2023	Chromium, total	0.0007 U	mg/L
MW-193	Compliance	E003	10/31/2023	Cobalt, total	0.0007 J	mg/L
MW-193	Compliance	E003	10/31/2023	Dissolved Oxygen	1.13	mg/L
MW-193	Compliance	E003	10/31/2023	Fluoride, total	0.290	mg/L
MW-193	Compliance	E003	10/31/2023	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E003	10/31/2023	Lithium, total	0.00450	mg/L
MW-193	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E003	10/31/2023	Molybdenum, total	0.0007 J	mg/L
MW-193	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-54.0	mV
MW-193	Compliance	E003	10/31/2023	pH (field)	6.8	SU
MW-193	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.582	pCi/L
MW-193	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	942	micromhos/cm
MW-193	Compliance	E003	10/31/2023	Sulfate, total	157	mg/L
MW-193	Compliance	E003	10/31/2023	Temperature	17.1	degrees C
MW-193	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E003	10/31/2023	Total Dissolved Solids	578	mg/L
MW-193	Compliance	E003	10/31/2023	Turbidity, field	7.00	NTU
MW-356	Compliance	E003	11/02/2023	Antimony, total	0.0006 J	mg/L
MW-356	Compliance	E003	11/02/2023	Arsenic, total	0.0005 J	mg/L
MW-356	Compliance	E003	11/02/2023	Barium, total	0.0382	mg/L
MW-356	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E003	11/02/2023	Boron, total	2.34	mg/L
MW-356	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E003	11/02/2023	Calcium, total	12.9	mg/L
MW-356	Compliance	E003	11/02/2023	Chloride, total	28.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
 BALDWIN POWER PLANT
 BOTTOM ASH POND
 BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-356	Compliance	E003	11/02/2023	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E003	11/02/2023	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E003	11/02/2023	Dissolved Oxygen	1.22	mg/L
MW-356	Compliance	E003	11/02/2023	Fluoride, total	2.38	mg/L
MW-356	Compliance	E003	11/02/2023	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E003	11/02/2023	Lithium, total	0.0509	mg/L
MW-356	Compliance	E003	11/02/2023	Mercury, total	0.00006 U	mg/L
MW-356	Compliance	E003	11/02/2023	Molybdenum, total	0.002 UJ	mg/L
MW-356	Compliance	E003	11/02/2023	Oxidation Reduction Potential	-21.0	mV
MW-356	Compliance	E003	11/02/2023	pH (field)	7.6	SU
MW-356	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	0.679	pCi/L
MW-356	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	1,160	micromhos/cm
MW-356	Compliance	E003	11/02/2023	Sulfate, total	41.0	mg/L
MW-356	Compliance	E003	11/02/2023	Temperature	14.8	degrees C
MW-356	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E003	11/02/2023	Total Dissolved Solids	688	mg/L
MW-356	Compliance	E003	11/02/2023	Turbidity, field	2.40	NTU
MW-369	Compliance	E003	11/02/2023	Antimony, total	0.0005 J	mg/L
MW-369	Compliance	E003	11/02/2023	Arsenic, total	0.00800	mg/L
MW-369	Compliance	E003	11/02/2023	Barium, total	0.00740	mg/L
MW-369	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E003	11/02/2023	Boron, total	0.888	mg/L
MW-369	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E003	11/02/2023	Calcium, total	6.90	mg/L
MW-369	Compliance	E003	11/02/2023	Chloride, total	212	mg/L
MW-369	Compliance	E003	11/02/2023	Chromium, total	0.0007 U	mg/L
MW-369	Compliance	E003	11/02/2023	Cobalt, total	0.0001 U	mg/L
MW-369	Compliance	E003	11/02/2023	Dissolved Oxygen	1.83	mg/L
MW-369	Compliance	E003	11/02/2023	Fluoride, total	3.30	mg/L
MW-369	Compliance	E003	11/02/2023	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E003	11/02/2023	Lithium, total	0.0423	mg/L
MW-369	Compliance	E003	11/02/2023	Mercury, total	0.00009 J	mg/L
MW-369	Compliance	E003	11/02/2023	Molybdenum, total	0.00600	mg/L
MW-369	Compliance	E003	11/02/2023	Oxidation Reduction Potential	-148	mV
MW-369	Compliance	E003	11/02/2023	pH (field)	8.3	SU
MW-369	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	0.92 U*	pCi/L
MW-369	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	2,670	micromhos/cm
MW-369	Compliance	E003	11/02/2023	Sulfate, total	144	mg/L
MW-369	Compliance	E003	11/02/2023	Temperature	15.9	degrees C
MW-369	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E003	11/02/2023	Total Dissolved Solids	1,390	mg/L
MW-369	Compliance	E003	11/02/2023	Turbidity, field	53.0	NTU
MW-370	Compliance	E003	11/02/2023	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E003	11/02/2023	Arsenic, total	0.0006 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
 BALDWIN POWER PLANT
 BOTTOM ASH POND
 BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-370	Compliance	E003	11/02/2023	Barium, total	0.0285	mg/L
MW-370	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E003	11/02/2023	Boron, total	1.98	mg/L
MW-370	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E003	11/02/2023	Calcium, total	41.1	mg/L
MW-370	Compliance	E003	11/02/2023	Chloride, total	1,420	mg/L
MW-370	Compliance	E003	11/02/2023	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E003	11/02/2023	Cobalt, total	0.0001 U	mg/L
MW-370	Compliance	E003	11/02/2023	Dissolved Oxygen	0.800	mg/L
MW-370	Compliance	E003	11/02/2023	Fluoride, total	3.70	mg/L
MW-370	Compliance	E003	11/02/2023	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E003	11/02/2023	Lithium, total	0.124	mg/L
MW-370	Compliance	E003	11/02/2023	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E003	11/02/2023	Molybdenum, total	0.00700	mg/L
MW-370	Compliance	E003	11/02/2023	Oxidation Reduction Potential	-24.0	mV
MW-370	Compliance	E003	11/02/2023	pH (field)	7.6	SU
MW-370	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	1.58 U*	pCi/L
MW-370	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	5,860	micromhos/cm
MW-370	Compliance	E003	11/02/2023	Sulfate, total	273	mg/L
MW-370	Compliance	E003	11/02/2023	Temperature	15.8	degrees C
MW-370	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E003	11/02/2023	Total Dissolved Solids	3,180	mg/L
MW-370	Compliance	E003	11/02/2023	Turbidity, field	2.80	NTU
MW-382	Compliance	E003	11/02/2023	Antimony, total	0.0004 U	mg/L
MW-382	Compliance	E003	11/02/2023	Arsenic, total	0.00130	mg/L
MW-382	Compliance	E003	11/02/2023	Barium, total	0.0171	mg/L
MW-382	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-382	Compliance	E003	11/02/2023	Boron, total	1.72	mg/L
MW-382	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E003	11/02/2023	Calcium, total	21.9	mg/L
MW-382	Compliance	E003	11/02/2023	Chloride, total	32.0	mg/L
MW-382	Compliance	E003	11/02/2023	Chromium, total	0.00550	mg/L
MW-382	Compliance	E003	11/02/2023	Cobalt, total	0.00140	mg/L
MW-382	Compliance	E003	11/02/2023	Dissolved Oxygen	1.28	mg/L
MW-382	Compliance	E003	11/02/2023	Fluoride, total	3.24	mg/L
MW-382	Compliance	E003	11/02/2023	Lead, total	0.00170	mg/L
MW-382	Compliance	E003	11/02/2023	Lithium, total	0.0566	mg/L
MW-382	Compliance	E003	11/02/2023	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E003	11/02/2023	Molybdenum, total	0.0014 J	mg/L
MW-382	Compliance	E003	11/02/2023	Oxidation Reduction Potential	-68.0	mV
MW-382	Compliance	E003	11/02/2023	pH (field)	7.8	SU
MW-382	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	1.26 U*	pCi/L
MW-382	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	1,840	micromhos/cm
MW-382	Compliance	E003	11/02/2023	Sulfate, total	420	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E003	11/02/2023	Temperature	16.3	degrees C
MW-382	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E003	11/02/2023	Total Dissolved Solids	1,130	mg/L
MW-382	Compliance	E003	11/02/2023	Turbidity, field	32.0	NTU
MW-392	Compliance	E003	10/31/2023	Antimony, total	0.0018 U	mg/L
MW-392	Compliance	E003	10/31/2023	Arsenic, total	0.0016 U	mg/L
MW-392	Compliance	E003	10/31/2023	Barium, total	0.0615	mg/L
MW-392	Compliance	E003	10/31/2023	Beryllium, total	0.001 U	mg/L
MW-392	Compliance	E003	10/31/2023	Boron, total	1.91	mg/L
MW-392	Compliance	E003	10/31/2023	Cadmium, total	0.0006 U	mg/L
MW-392	Compliance	E003	10/31/2023	Calcium, total	50.8	mg/L
MW-392	Compliance	E003	10/31/2023	Chloride, total	871	mg/L
MW-392	Compliance	E003	10/31/2023	Chromium, total	0.0186	mg/L
MW-392	Compliance	E003	10/31/2023	Cobalt, total	0.0036 J	mg/L
MW-392	Compliance	E003	10/31/2023	Dissolved Oxygen	1.63	mg/L
MW-392	Compliance	E003	10/31/2023	Fluoride, total	4.52	mg/L
MW-392	Compliance	E003	10/31/2023	Lead, total	0.0038 J	mg/L
MW-392	Compliance	E003	10/31/2023	Lithium, total	0.114	mg/L
MW-392	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E003	10/31/2023	Molybdenum, total	0.0024 U	mg/L
MW-392	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-144	mV
MW-392	Compliance	E003	10/31/2023	pH (field)	7.7	SU
MW-392	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.596 U*	pCi/L
MW-392	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	3,380	micromhos/cm
MW-392	Compliance	E003	10/31/2023	Sulfate, total	66.0	mg/L
MW-392	Compliance	E003	10/31/2023	Temperature	15.7	degrees C
MW-392	Compliance	E003	10/31/2023	Thallium, total	0.0038 U	mg/L
MW-392	Compliance	E003	10/31/2023	Total Dissolved Solids	1,840	mg/L
MW-392	Compliance	E003	10/31/2023	Turbidity, field	6.90	NTU
MW-393	Compliance	E003	10/31/2023	Antimony, total	0.0018 U	mg/L
MW-393	Compliance	E003	10/31/2023	Arsenic, total	0.0016 U	mg/L
MW-393	Compliance	E003	10/31/2023	Barium, total	0.0582	mg/L
MW-393	Compliance	E003	10/31/2023	Beryllium, total	0.001 U	mg/L
MW-393	Compliance	E003	10/31/2023	Boron, total	1.59	mg/L
MW-393	Compliance	E003	10/31/2023	Cadmium, total	0.0006 U	mg/L
MW-393	Compliance	E003	10/31/2023	Calcium, total	7.92	mg/L
MW-393	Compliance	E003	10/31/2023	Chloride, total	723	mg/L
MW-393	Compliance	E003	10/31/2023	Chromium, total	0.0028 U	mg/L
MW-393	Compliance	E003	10/31/2023	Cobalt, total	0.0005 U	mg/L
MW-393	Compliance	E003	10/31/2023	Dissolved Oxygen	0.710	mg/L
MW-393	Compliance	E003	10/31/2023	Fluoride, total	9.63	mg/L
MW-393	Compliance	E003	10/31/2023	Lead, total	0.0024 U	mg/L
MW-393	Compliance	E003	10/31/2023	Lithium, total	0.0672	mg/L
MW-393	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E003	10/31/2023	Molybdenum, total	0.0024 U	mg/L

TABLE 1.
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 BALDWIN POWER PLANT
 BOTTOM ASH POND
 BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-393	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-259	mV
MW-393	Compliance	E003	10/31/2023	pH (field)	8.2	SU
MW-393	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.756	pCi/L
MW-393	Compliance	E003	10/31/2023	Selenium, total	0.0024 U	mg/L
MW-393	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	4,140	micromhos/cm
MW-393	Compliance	E003	10/31/2023	Sulfate, total	184	mg/L
MW-393	Compliance	E003	10/31/2023	Temperature	17.1	degrees C
MW-393	Compliance	E003	10/31/2023	Thallium, total	0.0038 U	mg/L
MW-393	Compliance	E003	10/31/2023	Total Dissolved Solids	2,390	mg/L
MW-393	Compliance	E003	10/31/2023	Turbidity, field	7.10	NTU
MW-394	Compliance	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-394	Compliance	E003	11/01/2023	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E003	11/01/2023	Barium, total	0.0324	mg/L
MW-394	Compliance	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E003	11/01/2023	Boron, total	1.90	mg/L
MW-394	Compliance	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E003	11/01/2023	Calcium, total	13.4	mg/L
MW-394	Compliance	E003	11/01/2023	Chloride, total	854	mg/L
MW-394	Compliance	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E003	11/01/2023	Dissolved Oxygen	2.43	mg/L
MW-394	Compliance	E003	11/01/2023	Fluoride, total	5.66	mg/L
MW-394	Compliance	E003	11/01/2023	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E003	11/01/2023	Lithium, total	0.0907	mg/L
MW-394	Compliance	E003	11/01/2023	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E003	11/01/2023	Molybdenum, total	0.0006 U	mg/L
MW-394	Compliance	E003	11/01/2023	Oxidation Reduction Potential	-258	mV
MW-394	Compliance	E003	11/01/2023	pH (field)	7.9	SU
MW-394	Compliance	E003	11/01/2023	Radium 226 + Radium 228, total	0.947 U*	pCi/L
MW-394	Compliance	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E003	11/01/2023	Specific Conductance @ 25C (field)	4,420	micromhos/cm
MW-394	Compliance	E003	11/01/2023	Sulfate, total	187	mg/L
MW-394	Compliance	E003	11/01/2023	Temperature	16.2	degrees C
MW-394	Compliance	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E003	11/01/2023	Total Dissolved Solids	2,500	mg/L
MW-394	Compliance	E003	11/01/2023	Turbidity, field	2.70	NTU
OW-256	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E003	10/31/2023	Arsenic, total	0.00210	mg/L
OW-256	Compliance	E003	10/31/2023	Barium, total	0.130	mg/L
OW-256	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E003	10/31/2023	Boron, total	0.267 J+	mg/L
OW-256	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E003	10/31/2023	Calcium, total	83.0	mg/L
OW-256	Compliance	E003	10/31/2023	Chloride, total	59.0	mg/L
OW-256	Compliance	E003	10/31/2023	Chromium, total	0.0011 J	mg/L
OW-256	Compliance	E003	10/31/2023	Cobalt, total	0.00110	mg/L

TABLE 1.
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 BALDWIN POWER PLANT
 BOTTOM ASH POND
 BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-256	Compliance	E003	10/31/2023	Dissolved Oxygen	1.25	mg/L
OW-256	Compliance	E003	10/31/2023	Fluoride, total	0.290	mg/L
OW-256	Compliance	E003	10/31/2023	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E003	10/31/2023	Lithium, total	0.0136	mg/L
OW-256	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E003	10/31/2023	Molybdenum, total	0.0014 J	mg/L
OW-256	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-65.0	mV
OW-256	Compliance	E003	10/31/2023	pH (field)	6.8	SU
OW-256	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.796 U*	pCi/L
OW-256	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	831	micromhos/cm
OW-256	Compliance	E003	10/31/2023	Sulfate, total	80.0	mg/L
OW-256	Compliance	E003	10/31/2023	Temperature	14.7	degrees C
OW-256	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E003	10/31/2023	Total Dissolved Solids	490	mg/L
OW-256	Compliance	E003	10/31/2023	Turbidity, field	10.0	NTU
OW-257	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
OW-257	Compliance	E003	10/31/2023	Arsenic, total	0.00520	mg/L
OW-257	Compliance	E003	10/31/2023	Barium, total	0.144	mg/L
OW-257	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E003	10/31/2023	Boron, total	0.615	mg/L
OW-257	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E003	10/31/2023	Calcium, total	118	mg/L
OW-257	Compliance	E003	10/31/2023	Chloride, total	7.00	mg/L
OW-257	Compliance	E003	10/31/2023	Chromium, total	0.00500	mg/L
OW-257	Compliance	E003	10/31/2023	Cobalt, total	0.00460	mg/L
OW-257	Compliance	E003	10/31/2023	Dissolved Oxygen	1.30	mg/L
OW-257	Compliance	E003	10/31/2023	Fluoride, total	0.460	mg/L
OW-257	Compliance	E003	10/31/2023	Lead, total	0.00190	mg/L
OW-257	Compliance	E003	10/31/2023	Lithium, total	0.0365	mg/L
OW-257	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E003	10/31/2023	Molybdenum, total	0.00400	mg/L
OW-257	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-33.0	mV
OW-257	Compliance	E003	10/31/2023	pH (field)	6.8	SU
OW-257	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.797 U*	pCi/L
OW-257	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	1,050	micromhos/cm
OW-257	Compliance	E003	10/31/2023	Sulfate, total	112	mg/L
OW-257	Compliance	E003	10/31/2023	Temperature	13.4	degrees C
OW-257	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E003	10/31/2023	Total Dissolved Solids	700	mg/L
OW-257	Compliance	E003	10/31/2023	Turbidity, field	78.0	NTU
PZ-170	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Arsenic, total	0.00120	mg/L
PZ-170	Compliance	E003	10/31/2023	Barium, total	0.155	mg/L
PZ-170	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023

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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-170	Compliance	E003	10/31/2023	Boron, total	0.426	mg/L
PZ-170	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Calcium, total	200	mg/L
PZ-170	Compliance	E003	10/31/2023	Chloride, total	82.0	mg/L
PZ-170	Compliance	E003	10/31/2023	Chromium, total	0.0007 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Cobalt, total	0.00370	mg/L
PZ-170	Compliance	E003	10/31/2023	Dissolved Oxygen	0.970	mg/L
PZ-170	Compliance	E003	10/31/2023	Fluoride, total	0.210	mg/L
PZ-170	Compliance	E003	10/31/2023	Lead, total	0.0006 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Lithium, total	0.0361	mg/L
PZ-170	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Molybdenum, total	0.0007 J	mg/L
PZ-170	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-108	mV
PZ-170	Compliance	E003	10/31/2023	pH (field)	6.5	SU
PZ-170	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.63 U*	pCi/L
PZ-170	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	1,620	micromhos/cm
PZ-170	Compliance	E003	10/31/2023	Sulfate, total	232	mg/L
PZ-170	Compliance	E003	10/31/2023	Temperature	15.0	degrees C
PZ-170	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E003	10/31/2023	Total Dissolved Solids	1,100	mg/L
PZ-170	Compliance	E003	10/31/2023	Turbidity, field	4.30	NTU
PZ-182	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Arsenic, total	0.0005 J	mg/L
PZ-182	Compliance	E003	10/31/2023	Barium, total	0.0886	mg/L
PZ-182	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Boron, total	0.684	mg/L
PZ-182	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Calcium, total	171	mg/L
PZ-182	Compliance	E003	10/31/2023	Chloride, total	40.0	mg/L
PZ-182	Compliance	E003	10/31/2023	Chromium, total	0.0007 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Cobalt, total	0.0006 J	mg/L
PZ-182	Compliance	E003	10/31/2023	Dissolved Oxygen	0.700	mg/L
PZ-182	Compliance	E003	10/31/2023	Fluoride, total	0.180	mg/L
PZ-182	Compliance	E003	10/31/2023	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Lithium, total	0.0173	mg/L
PZ-182	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-71.0	mV
PZ-182	Compliance	E003	10/31/2023	pH (field)	6.6	SU
PZ-182	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.582 U*	pCi/L
PZ-182	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	1,260	micromhos/cm
PZ-182	Compliance	E003	10/31/2023	Sulfate, total	207	mg/L
PZ-182	Compliance	E003	10/31/2023	Temperature	15.5	degrees C
PZ-182	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L

TABLE 1.
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 BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E003	10/31/2023	Total Dissolved Solids	804	mg/L
PZ-182	Compliance	E003	10/31/2023	Turbidity, field	8.90	NTU

Notes:

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity, but the result may be biased high.

U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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-192	UU	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	20	CI around geomean	0.00158	0.0104	Background	No Exceedance
MW-192	UU	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0915	2.0	Standard	No Exceedance
MW-192	UU	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.0266	2.16	Background	No Exceedance
MW-192	UU	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	13.9	1,370	Background	No Exceedance
MW-192	UU	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	30	CI around mean	0.00103	0.006	Standard	No Exceedance
MW-192	UU	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.409	4.0	Standard	No Exceedance
MW-192	UU	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	10	CB around linear reg	-0.0276	0.140	Background	No Exceedance
MW-192	UU	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.00178	0.1	Standard	No Exceedance
MW-192	UU	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	6.7/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-192	UU	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.379	5	Standard	No Exceedance
MW-192	UU	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	-3.59	762	Background	No Exceedance
MW-192	UU	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	133	3,260	Background	No Exceedance
MW-193	UU	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-193	UU	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	10	CI around mean	0.00126	0.0104	Background	No Exceedance
MW-193	UU	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	10	CI around mean	0.0341	2.16	Background	No Exceedance
MW-193	UU	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	31.3	1,370	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.245	4.0	Standard	No Exceedance
MW-193	UU	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.00453	0.140	Background	No Exceedance
MW-193	UU	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	6.7/7.1	6.5/11.1	Standard/Background	No Exceedance
MW-193	UU	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.435	5	Standard	No Exceedance
MW-193	UU	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	152	762	Background	No Exceedance
MW-193	UU	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	536	3,260	Background	No Exceedance
MW-356	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	25	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	28	82	CI around median	0.001	0.0104	Background	No Exceedance
MW-356	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around median	0.0297	2.0	Standard	No Exceedance
MW-356	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	29	0	CI around median	1.94	2.16	Background	No Exceedance
MW-356	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	27.7	1,370	Background	No Exceedance
MW-356	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	27	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	26	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	1.97	4.0	Standard	No Exceedance
MW-356	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	26	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around median	0.0521	0.140	Background	No Exceedance
MW-356	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	28	61	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023

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	E003	pH (field)	SU	12/29/15 - 11/02/23	29	0	CI around median	7.7/7.8	6.5/11.1	Standard/Background	No Exceedance
MW-356	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	28	0	CI around median	0.1	5	Standard	No Exceedance
MW-356	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	25	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	29	0	CI around mean	44.2	762	Background	No Exceedance
MW-356	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	28	0	CI around mean	659	3,260	Background	No Exceedance
MW-369	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	19	79	CB around T-S line	-0.000672	0.006	Standard	No Exceedance
MW-369	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	22	14	CI around geomean	0.00146	0.0104	Background	No Exceedance
MW-369	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	22	0	CB around T-S line	0.0597	2.0	Standard	No Exceedance
MW-369	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	-0.131	2.16	Background	No Exceedance
MW-369	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around geomean	84.3	1,370	Background	No Exceedance
MW-369	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	21	90	CB around T-S line	0.00148	0.1	Standard	No Exceedance
MW-369	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	20	85	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	23	0	CB around T-S line	-0.84	4.0	Standard	No Exceedance
MW-369	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	20	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	22	4	CI around mean	0.0214	0.140	Background	No Exceedance
MW-369	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	22	4	CB around T-S line	-0.00587	0.1	Standard	No Exceedance
MW-369	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	23	0	CI around mean	7.4/8.1	6.5/11.1	Standard/Background	No Exceedance
MW-369	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	22	0	CI around mean	0.422	5	Standard	No Exceedance
MW-369	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	19	63	CB around T-S line	-0.0155	0.05	Standard	No Exceedance
MW-369	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	23	0	CB around T-S line	-74.1	762	Background	No Exceedance
MW-369	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	23	0	CI around median	720	3,260	Background	No Exceedance
MW-370	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	25	76	CB around T-S line	-0.000272	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	28	57	CB around T-S line	0.000206	0.0104	Background	No Exceedance
MW-370	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	28	0	CB around T-S line	0.0255	2.0	Standard	No Exceedance
MW-370	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	29	0	CI around median	1.79	2.16	Background	No Exceedance
MW-370	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	1,380	1,370	Background	Exceedance
MW-370	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	27	96	CB around T-S line	0.00146	0.1	Standard	No Exceedance
MW-370	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	26	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around T-S line	3.02	4.0	Standard	No Exceedance
MW-370	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	26	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around geomean	0.129	0.140	Background	No Exceedance
MW-370	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	28	4	CB around T-S line	0.00391	0.1	Standard	No Exceedance
MW-370	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	29	0	CI around mean	7.5/7.7	6.5/11.1	Standard/Background	No Exceedance
MW-370	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	28	0	CI around geomean	0.545	5	Standard	No Exceedance
MW-370	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	25	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	29	0	CI around mean	248	762	Background	No Exceedance
MW-370	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	2,950	3,260	Background	No Exceedance
MW-382	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	22	23	CI around median	0.0012	0.0104	Background	No Exceedance
MW-382	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	22	0	CI around mean	0.0175	2.0	Standard	No Exceedance
MW-382	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	17	94	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	23	0	CI around median	1.71	2.16	Background	No Exceedance
MW-382	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around mean	34.2	1,370	Background	No Exceedance
MW-382	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	21	10	CB around linear reg	0.00635	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	20	65	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around median	2.77	4.0	Standard	No Exceedance
MW-382	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	20	60	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	22	0	CI around mean	0.0577	0.140	Background	No Exceedance
MW-382	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	22	23	CB around T-S line	0.00196	0.1	Standard	No Exceedance
MW-382	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	23	0	CI around mean	7.7/7.9	6.5/11.1	Standard/Background	No Exceedance
MW-382	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	22	0	CI around geomean	0.325	5	Standard	No Exceedance
MW-382	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	349	762	Background	No Exceedance
MW-382	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	1,030	3,260	Background	No Exceedance
MW-392	UA	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	60	CI around median	0.001	0.0104	Background	No Exceedance
MW-392	UA	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0363	2.0	Standard	No Exceedance
MW-392	UA	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.004	Standard	No Exceedance
MW-392	UA	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	1.65	2.16	Background	No Exceedance
MW-392	UA	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.005	Standard	No Exceedance
MW-392	UA	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around median	648	1,370	Background	No Exceedance
MW-392	UA	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	3.95	4.0	Standard	No Exceedance
MW-392	UA	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0562	0.140	Background	No Exceedance
MW-392	UA	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	7.4/7.9	6.5/11.1	Standard/Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
 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	E003R	pH (field)	SU	10/27/22 - 01/09/24	11	0	CI around mean	7.4/7.8	6.5/11.1	Standard/Background	No Exceedance
MW-392	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.359	5	Standard	No Exceedance
MW-392	UA	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	49.2	762	Background	No Exceedance
MW-392	UA	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.008	0.002	Standard	(RL > GWPS)
MW-392	UA	E003R	Thallium, total	mg/L	10/27/22 - 01/09/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	1,490	3,260	Background	No Exceedance
MW-393	UA	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.001	0.0104	Background	No Exceedance
MW-393	UA	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	0.0233	2.0	Standard	No Exceedance
MW-393	UA	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.004	Standard	No Exceedance
MW-393	UA	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	1.55	2.16	Background	No Exceedance
MW-393	UA	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.005	Standard	No Exceedance
MW-393	UA	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	579	1,370	Background	No Exceedance
MW-393	UA	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	6.38	4.0	Standard	Exceedance
MW-393	UA	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.0075	Standard	No Exceedance
MW-393	UA	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0548	0.140	Background	No Exceedance
MW-393	UA	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	50	CI around mean	0.000189	0.1	Standard	No Exceedance
MW-393	UA	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	7.8/8.4	6.5/11.1	Standard/Background	No Exceedance
MW-393	UA	E003R	pH (field)	SU	10/27/22 - 01/09/24	11	0	CI around mean	7.8/8.3	6.5/11.1	Standard/Background	No Exceedance
MW-393	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.231	5	Standard	No Exceedance
MW-393	UA	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.05	Standard	No Exceedance
MW-393	UA	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	35.8	762	Background	No Exceedance
MW-393	UA	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.008	0.002	Standard	(RL > GWPS)

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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-393	UA	E003R	Thallium, total	mg/L	10/27/22 - 01/09/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around median	1,870	3,260	Background	No Exceedance
MW-394	UA	E003	Antimony, total	mg/L	10/27/22 - 11/01/23	10	60	CB around T-S line	-0.00283	0.006	Standard	No Exceedance
MW-394	UA	E003	Arsenic, total	mg/L	10/27/22 - 11/01/23	10	40	CI around median	0.001	0.0104	Background	No Exceedance
MW-394	UA	E003	Barium, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	0.0278	2.0	Standard	No Exceedance
MW-394	UA	E003	Beryllium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E003	Boron, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	1.54	2.16	Background	No Exceedance
MW-394	UA	E003	Cadmium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E003	Chloride, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	449	1,370	Background	No Exceedance
MW-394	UA	E003	Chromium, total	mg/L	10/27/22 - 11/01/23	10	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E003	Cobalt, total	mg/L	10/27/22 - 11/01/23	10	70	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E003	Fluoride, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	3.07	4.0	Standard	No Exceedance
MW-394	UA	E003	Lead, total	mg/L	10/27/22 - 11/01/23	10	70	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E003	Lithium, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	0.0482	0.140	Background	No Exceedance
MW-394	UA	E003	Mercury, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E003	Molybdenum, total	mg/L	10/27/22 - 11/01/23	10	20	CI around mean	0.00438	0.1	Standard	No Exceedance
MW-394	UA	E003	pH (field)	SU	10/27/22 - 11/01/23	10	0	CI around mean	7.7/8.0	6.5/11.1	Standard/Background	No Exceedance
MW-394	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 11/01/23	10	0	CI around mean	0.42	5	Standard	No Exceedance
MW-394	UA	E003	Selenium, total	mg/L	10/27/22 - 11/01/23	10	90	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E003	Sulfate, total	mg/L	10/27/22 - 11/01/23	10	0	CB around linear reg	37.7	762	Background	No Exceedance
MW-394	UA	E003	Thallium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	1,700	3,260	Background	No Exceedance
OW-256	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000519	0.0104	Background	No Exceedance
OW-256	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.0611	2.0	Standard	No Exceedance
OW-256	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.129	2.16	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023

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	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	50.1	1,370	Background	No Exceedance
OW-256	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000682	0.006	Standard	No Exceedance
OW-256	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.198	4.0	Standard	No Exceedance
OW-256	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000586	0.140	Background	No Exceedance
OW-256	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.5/7.0	6.5/11.1	Standard/Background	No Exceedance
OW-256	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	0.237	5	Standard	No Exceedance
OW-256	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	55.9	762	Background	No Exceedance
OW-256	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	445	3,260	Background	No Exceedance
OW-257	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
OW-257	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	0.000459	0.0104	Background	No Exceedance
OW-257	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.0208	2.0	Standard	No Exceedance
OW-257	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
OW-257	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.32	2.16	Background	No Exceedance
OW-257	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	5.58	1,370	Background	No Exceedance
OW-257	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	8.26e-05	0.1	Standard	No Exceedance
OW-257	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	8.59e-05	0.006	Standard	No Exceedance
OW-257	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.32	4.0	Standard	No Exceedance
OW-257	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	4.82e-05	0.0075	Standard	No Exceedance
OW-257	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.00598	0.140	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023

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	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	50	CI around mean	0.00236	0.1	Standard	No Exceedance
OW-257	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.4/7.4	6.5/11.1	Standard/Background	No Exceedance
OW-257	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.0774	5	Standard	No Exceedance
OW-257	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	92.3	762	Background	No Exceedance
OW-257	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	272	3,260	Background	No Exceedance
PZ-170	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.0012	0.0104	Background	No Exceedance
PZ-170	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.155	2.0	Standard	No Exceedance
PZ-170	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.426	2.16	Background	No Exceedance
PZ-170	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	82	1,370	Background	No Exceedance
PZ-170	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.0037	0.006	Standard	No Exceedance
PZ-170	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.21	4.0	Standard	No Exceedance
PZ-170	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
PZ-170	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.0361	0.140	Background	No Exceedance
PZ-170	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.5/6.6	6.5/11.1	Standard/Background	No Exceedance
PZ-170	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	-0.352	5	Standard	No Exceedance
PZ-170	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	232	762	Background	No Exceedance
PZ-170	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
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-170	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	1,100	3,260	Background	No Exceedance
PZ-182	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0104	Background	No Exceedance
PZ-182	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.0516	2.0	Standard	No Exceedance
PZ-182	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.289	2.16	Background	No Exceedance
PZ-182	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	-5.88	1,370	Background	No Exceedance
PZ-182	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	75	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.138	4.0	Standard	No Exceedance
PZ-182	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.00313	0.140	Background	No Exceedance
PZ-182	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.4/6.8	6.5/11.1	Standard/Background	No Exceedance
PZ-182	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	0.175	5	Standard	No Exceedance
PZ-182	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	97.7	762	Background	No Exceedance
PZ-182	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	464	3,260	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023

845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:

Compliance Result:

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

RL > GWPS: An individual LCL exceeded the GWPS with the RL used as the LCL because the sample result was less than the RL.

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

LCL = Lower Confidence Limit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

R = resample

RL = reporting limit

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 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

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

GWPS = Groundwater Protection Standard

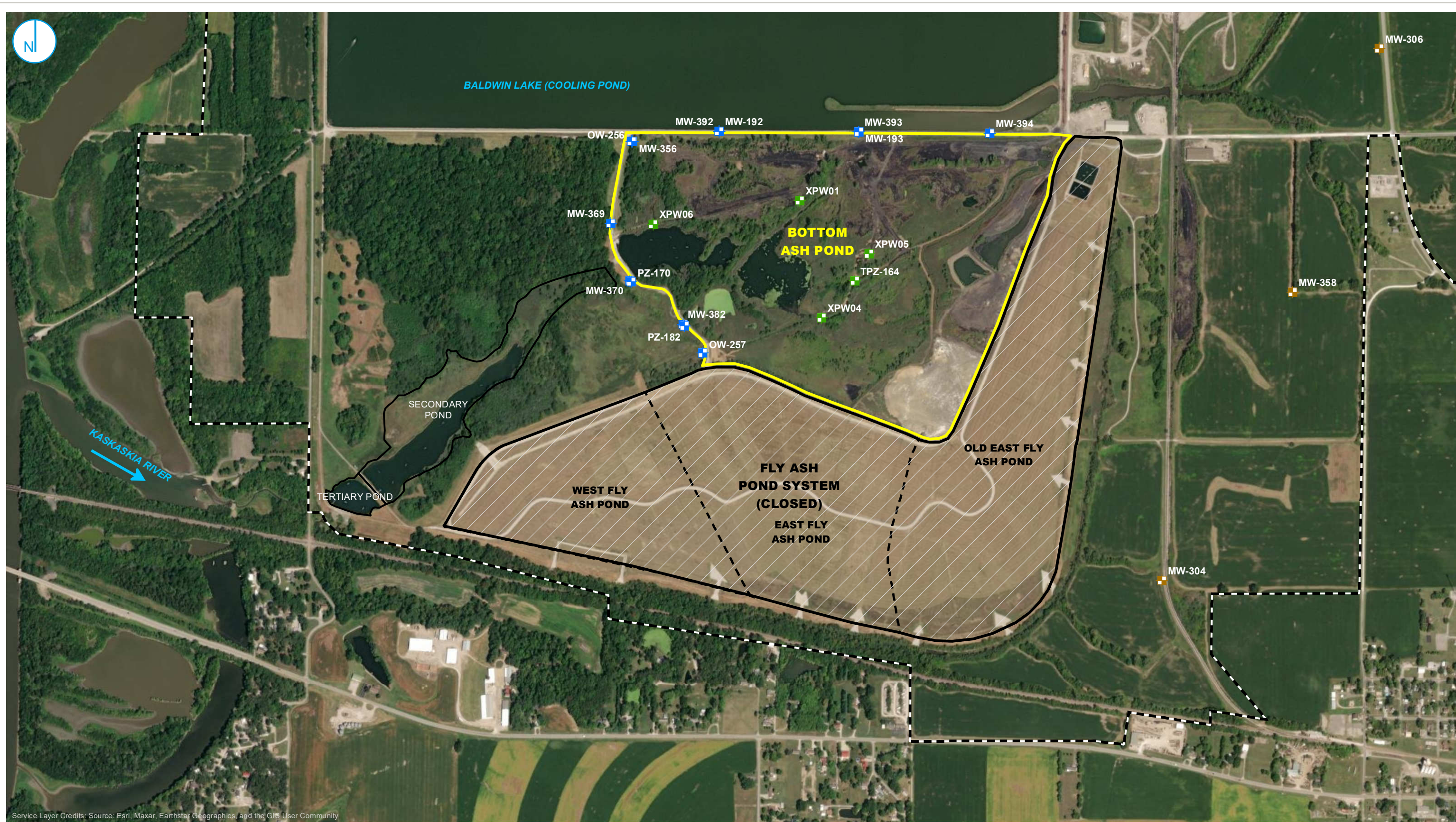
GWPS Source:

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

Background = background concentration (see cover page for additional information)

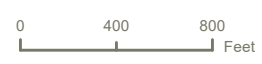
FIGURES

PROJECT: 16900XXXXX | DATED: 6/20/2023 | DESIGNER: GALARNMIC
Y:\Mapping\Projects\2212285\MXD\845_Operating_Permit\Baldwin\BAP\2023_Update\GMP\Figure 2-1_BAL BAP Proposed Monitoring Well Network.mxd



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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



MONITORING WELL LOCATION MAP

FIGURE 1

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 4, 2023**

**ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 2023**

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	10/30/2023	8.90	428.04
MW-193	Compliance	10/30/2023	9.42	428.64
MW-304	Background	10/30/2023	10.25	445.24
MW-306	Background	10/30/2023	19.96	433.21
MW-356	Compliance	10/30/2023	4.89	422.71
MW-358	Background	10/30/2023	28.17	427.56
MW-369	Compliance	10/30/2023	16.12	406.59
MW-370	Compliance	10/30/2023	19.23	401.62
MW-382	Compliance	10/30/2023	16.98	414.21
MW-392	Compliance	10/30/2023	8.64	428.38
MW-393	Compliance	10/30/2023	8.43	429.43
MW-394	Compliance	10/30/2023	7.71	430.58
OW-256	Compliance	10/30/2023	13.00	414.70
OW-257	Compliance	10/30/2023	9.54	421.48
PZ-170	Compliance	10/30/2023	17.91	403.52
PZ-182	Compliance	10/30/2023	19.82	411.79
TPZ-164	Water Level	10/30/2023	3.71	431.39
XPW01	Water Level	10/30/2023	Dry	
XPW05	Water Level	10/30/2023	4.64	432.63
XPW06	Water Level	10/30/2023	2.46	415.26

Notes:

Only wells with groundwater elevations measured are included.
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2023**

November 27, 2023

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



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

RE: BAL-23Q4

WorkOrder: 23101244

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_845_601 on 11/3/2023 2:00:00 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: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	45
Dates Report	46
Quality Control Results	57
Receiving Check List	112
Chain of Custody	Appended

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Qualifiers

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



Case Narrative

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

Cooler Receipt Temp: 7.6 °C

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

MW-104SR, MW-154, MW-155, and XPW01 could not be measured/collected; the wells were dry.

Per Eric Bauer's request, only BAL_845_601 data is included in this report. EAH 11/27/23

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: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-009
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-192
Collection Date: 10/31/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.87	ft	1	10/31/2023 12:41	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		23	NTU	1	10/31/2023 12:41	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-115	mV	1	10/31/2023 12:41	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		774	µS/cm	1	10/31/2023 12:41	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	10/31/2023 12:41	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.26	mg/L	1	10/31/2023 12:41	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.78		1	10/31/2023 12:41	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		391	mg/L	1	11/03/2023 13:56	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/03/2023 13:56	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		420	mg/L	1	11/02/2023 10:38	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		20	mg/L	1	11/01/2023 21:35	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.49	mg/L	1	11/08/2023 10:58	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		22	mg/L	1	11/01/2023 21:35	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		74.8	mg/L	1	11/02/2023 17:02	214080
Magnesium	NELAP	0.0055	0.0500		31.7	mg/L	1	11/02/2023 17:02	214080
Potassium	NELAP	0.0400	0.100		0.671	mg/L	1	11/02/2023 17:02	214080
Sodium	NELAP	0.0180	0.0500		52.9	mg/L	1	11/02/2023 17:02	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 0:42	214080
Arsenic	NELAP	0.0004	0.0010		0.0030	mg/L	5	11/03/2023 0:42	214080
Barium	NELAP	0.0007	0.0010		0.118	mg/L	5	11/03/2023 0:42	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 0:42	214080
Boron	NELAP	0.0092	0.0250		0.0293	mg/L	5	11/03/2023 0:42	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 0:42	214080
Chromium	NELAP	0.0007	0.0015		0.0017	mg/L	5	11/03/2023 0:42	214080
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	11/03/2023 0:42	214080
Lead	NELAP	0.0006	0.0010		0.0012	mg/L	5	11/03/2023 0:42	214080
Lithium	*	0.0015	0.0030		0.0045	mg/L	5	11/03/2023 0:42	214080
Molybdenum	NELAP	0.0006	0.0015		0.0016	mg/L	5	11/03/2023 0:42	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 0:42	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 0:42	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-009
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-192
Collection Date: 10/31/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/06/2023 14:24	214213



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-010
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-193
Collection Date: 10/31/2023 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.44	ft	1	10/31/2023 14:28	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.0	NTU	1	10/31/2023 14:28	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-54	mV	1	10/31/2023 14:28	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		942	µS/cm	1	10/31/2023 14:28	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	10/31/2023 14:28	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.13	mg/L	1	10/31/2023 14:28	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.77		1	10/31/2023 14:28	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		312	mg/L	1	11/03/2023 14:03	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/03/2023 14:03	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		578	mg/L	1	11/02/2023 10:39	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		157	mg/L	5	11/01/2023 21:49	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	11/08/2023 11:00	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		34	mg/L	1	11/01/2023 21:43	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		87.1	mg/L	1	11/02/2023 17:02	214080
Magnesium	NELAP	0.0055	0.0500		33.3	mg/L	1	11/02/2023 17:02	214080
Potassium	NELAP	0.0400	0.100		0.610	mg/L	1	11/02/2023 17:02	214080
Sodium	NELAP	0.0180	0.0500		71.4	mg/L	1	11/02/2023 17:02	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 0:48	214080
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	11/03/2023 0:48	214080
Barium	NELAP	0.0007	0.0010		0.0779	mg/L	5	11/03/2023 0:48	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 0:48	214080
Boron	NELAP	0.0092	0.0250		0.0511	mg/L	5	11/03/2023 0:48	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 0:48	214080
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/03/2023 0:48	214080
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	11/03/2023 0:48	214080
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 0:48	214080
Lithium	*	0.0015	0.0030		0.0045	mg/L	5	11/03/2023 0:48	214080
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	11/03/2023 0:48	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 0:48	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 0:48	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-010
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-193
Collection Date: 10/31/2023 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/06/2023 14:31	214213



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-013
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-304
Collection Date: 11/01/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.26	ft	1	11/01/2023 10:34	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.7	NTU	1	11/01/2023 10:34	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	11/01/2023 10:34	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2370	µS/cm	1	11/01/2023 10:34	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	11/01/2023 10:34	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.80	mg/L	1	11/01/2023 10:34	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.81		1	11/01/2023 10:34	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		823	mg/L	1	11/03/2023 14:27	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		32	mg/L	1	11/03/2023 14:27	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1470	mg/L	1	11/03/2023 11:48	R338812
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		191	mg/L	10	11/02/2023 21:41	R338709
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.91	mg/L	1	11/08/2023 11:04	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		166	mg/L	10	11/02/2023 21:41	R338744
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		12.0	mg/L	1	11/09/2023 3:59	214174
Magnesium	NELAP	0.0055	0.0500		5.02	mg/L	1	11/09/2023 3:59	214174
Potassium	NELAP	0.0400	0.100		2.26	mg/L	1	11/09/2023 3:59	214174
Sodium	NELAP	0.0180	0.0500		629	mg/L	1	11/09/2023 3:59	214174
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Arsenic	NELAP	0.0004	0.0010		0.0024	mg/L	5	11/09/2023 14:42	214174
Barium	NELAP	0.0007	0.0010		0.0199	mg/L	5	11/09/2023 1:22	214174
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Boron	NELAP	0.0092	0.0250		1.67	mg/L	5	11/09/2023 1:22	214174
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 1:22	214174
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Lithium	*	0.0015	0.0030		0.0807	mg/L	5	11/09/2023 14:42	214174
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	11/09/2023 1:22	214174
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 1:22	214174
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 1:06	214174



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll Client Project: BAL-23Q4 Lab ID: 23101244-013 Matrix: GROUNDWATER	Work Order: 23101244 Report Date: 27-Nov-23 Client Sample ID: MW-304 Collection Date: 11/01/2023 10:34
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Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>CCV recovered outside the upper control limits for Be, Cd, 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	11/06/2023 15:41	214214



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-014
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-306
Collection Date: 11/03/2023 9:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.22	ft	1	11/03/2023 9:27	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.9	NTU	1	11/03/2023 9:27	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-173	mV	1	11/03/2023 9:27	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		622	µS/cm	1	11/03/2023 9:27	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.9	°C	1	11/03/2023 9:27	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.41	mg/L	1	11/03/2023 9:27	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		10.5		1	11/03/2023 9:27	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/07/2023 17:18	R338912
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		124	mg/L	1	11/07/2023 17:18	R338912
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		440	mg/L	1	11/06/2023 11:43	R338895
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		50	mg/L	5	11/07/2023 20:03	R338917
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.89	mg/L	1	11/08/2023 11:46	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		71	mg/L	5	11/07/2023 20:03	R338951
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		1.89	mg/L	1	11/07/2023 13:51	214219
Magnesium	NELAP	0.0055	0.050	J	0.040	mg/L	1	11/07/2023 13:51	214219
Potassium	NELAP	0.0400	0.100		0.921	mg/L	1	11/07/2023 13:51	214219
Sodium	NELAP	0.0180	0.0500	S	97.2	mg/L	1	11/07/2023 13:51	214219
<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		< 0.0010	mg/L	5	11/09/2023 2:04	214219
Arsenic	NELAP	0.0004	0.0010		0.0098	mg/L	5	11/09/2023 16:36	214219
Barium	NELAP	0.0007	0.0010		0.0035	mg/L	5	11/09/2023 2:04	214219
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 2:04	214219
Boron	NELAP	0.0092	0.0250		0.425	mg/L	5	11/09/2023 2:04	214219
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 2:04	214219
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 2:04	214219
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 2:04	214219
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/07/2023 3:31	214219
Lithium	*	0.0015	0.0030		0.0199	mg/L	5	11/09/2023 16:36	214219
Molybdenum	NELAP	0.0006	0.0015		0.0179	mg/L	5	11/09/2023 2:04	214219
Selenium	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	11/09/2023 2:04	214219
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 3:31	214219

CCV recovered outside the upper control limits Be, Cd, and Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-014
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-306
Collection Date: 11/03/2023 9:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/08/2023 13:56	214363



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-018
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-356
Collection Date: 11/02/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.90	ft	1	11/02/2023 9:42	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.4	NTU	1	11/02/2023 9:42	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-21	mV	1	11/02/2023 9:42	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1160	µS/cm	1	11/02/2023 9:42	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	11/02/2023 9:42	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.22	mg/L	1	11/02/2023 9:42	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.60		1	11/02/2023 9:42	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		526	mg/L	1	11/07/2023 17:31	R338912
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/07/2023 17:31	R338912
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		688	mg/L	1	11/06/2023 11:51	R338895
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		41	mg/L	1	11/07/2023 20:08	R338917
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		2.38	mg/L	1	11/08/2023 11:51	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		28	mg/L	1	11/03/2023 19:38	R338809
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		12.9	mg/L	1	11/06/2023 19:50	214220
Magnesium	NELAP	0.0055	0.0500		7.80	mg/L	1	11/06/2023 19:50	214220
Potassium	NELAP	0.0400	0.100		2.83	mg/L	1	11/06/2023 19:50	214220
Sodium	NELAP	0.0180	0.0500	S	270	mg/L	1	11/06/2023 19:50	214220
<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	J	0.0006	mg/L	5	11/06/2023 18:45	214220
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	11/07/2023 19:34	214220
Barium	NELAP	0.0007	0.0010		0.0382	mg/L	5	11/06/2023 18:45	214220
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/07/2023 19:34	214220
Boron	NELAP	0.0092	0.0250	S	2.34	mg/L	5	11/10/2023 15:34	214378
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/07/2023 19:34	214220
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/07/2023 19:34	214220
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/07/2023 19:34	214220
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/06/2023 18:45	214220
Lithium	*	0.0015	0.0030		0.0509	mg/L	5	11/07/2023 19:34	214220
Molybdenum	NELAP	0.0006	0.0015	BJ	0.0012	mg/L	5	11/07/2023 19:34	214220
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/07/2023 19:34	214220
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/06/2023 18:45	214220



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-018
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-356
Collection Date: 11/02/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by re-prep and re-analysis.</i>									
<i>Contamination present in the MBLK for Mo. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/06/2023 16:53	214215



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-019
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-358
Collection Date: 11/01/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		27.96	ft	1	11/01/2023 12:05	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		55	NTU	1	11/01/2023 12:05	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-162	mV	1	11/01/2023 12:05	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5630	µS/cm	1	11/01/2023 12:05	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.6	°C	1	11/01/2023 12:05	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.65	mg/L	1	11/01/2023 12:05	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.89		1	11/01/2023 12:05	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		829	mg/L	1	11/08/2023 11:13	R338998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		11	mg/L	1	11/08/2023 11:13	R338998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3140	mg/L	1	11/03/2023 11:48	R338812
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		11	mg/L	1	11/07/2023 13:53	R338917
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.59	mg/L	1	11/08/2023 11:08	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		1310	mg/L	50	11/02/2023 21:49	R338744
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		11.3	mg/L	1	11/09/2023 4:03	214174
Magnesium	NELAP	0.0055	0.0500		5.80	mg/L	1	11/09/2023 4:03	214174
Potassium	NELAP	0.0400	0.100	S	3.90	mg/L	1	11/13/2023 9:49	214495
Sodium	NELAP	0.0180	0.0500	S	1320	mg/L	1	11/09/2023 4:03	214174
<i>Matrix spike for K did not recover within control limits due to sample composition. Result verified by reprep and reanalysis.</i>									
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
<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		< 0.0010	mg/L	5	11/09/2023 3:35	214174
Arsenic	NELAP	0.0004	0.0010		0.0051	mg/L	5	11/09/2023 13:41	214174
Barium	NELAP	0.0007	0.0010		0.162	mg/L	5	11/09/2023 3:35	214174
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 3:35	214174
Boron	NELAP	0.0092	0.0250		1.38	mg/L	5	11/09/2023 3:35	214174
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 3:35	214174
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 3:35	214174
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 3:35	214174
Lead	NELAP	0.0006	0.0010		0.0162	mg/L	5	11/09/2023 3:35	214174
Lithium	*	0.0015	0.0030		0.0921	mg/L	5	11/09/2023 13:41	214174
Molybdenum	NELAP	0.0006	0.0015		0.0131	mg/L	5	11/09/2023 3:35	214174
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 3:35	214174



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-019
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-358
Collection Date: 11/01/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 4:13	214174
<i>CCV recovered outside the upper control limits Be, Cd, 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	J	0.00012	mg/L	1	11/07/2023 8:59	214216



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-021
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-369
Collection Date: 11/02/2023 10:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.07	ft	1	11/02/2023 10:39	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		53	NTU	1	11/02/2023 10:39	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-148	mV	1	11/02/2023 10:39	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2670	µS/cm	1	11/02/2023 10:39	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.9	°C	1	11/02/2023 10:39	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.83	mg/L	1	11/02/2023 10:39	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		8.31		1	11/02/2023 10:39	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		738	mg/L	1	11/08/2023 11:27	R338998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		59	mg/L	1	11/08/2023 11:27	R338998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1390	mg/L	1	11/07/2023 15:28	R338953
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		144	mg/L	10	11/03/2023 20:27	R338804
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.30	mg/L	1	11/08/2023 11:11	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		212	mg/L	10	11/03/2023 20:26	R338809
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		6.90	mg/L	1	11/09/2023 4:47	214221
Magnesium	NELAP	0.0055	0.0500		3.34	mg/L	1	11/09/2023 4:47	214221
Potassium	NELAP	0.0400	0.100		1.66	mg/L	1	11/09/2023 4:47	214221
Sodium	NELAP	0.0180	0.0500	S	572	mg/L	1	11/09/2023 4:47	214221
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
<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	J	0.0005	mg/L	5	11/08/2023 23:10	214221
Arsenic	NELAP	0.0004	0.0010		0.0080	mg/L	5	11/08/2023 23:10	214221
Barium	NELAP	0.0007	0.0010		0.0074	mg/L	5	11/08/2023 23:10	214221
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/08/2023 23:10	214221
Boron	NELAP	0.0092	0.0250		0.888	mg/L	5	11/08/2023 23:10	214221
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/08/2023 23:10	214221
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/08/2023 23:10	214221
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/08/2023 23:10	214221
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/08/2023 23:10	214221
Lithium	*	0.0015	0.0030		0.0423	mg/L	5	11/08/2023 23:10	214221
Molybdenum	NELAP	0.0006	0.0015		0.0060	mg/L	5	11/08/2023 23:10	214221
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/08/2023 23:10	214221
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 1:48	214221



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Lab ID: 23101244-021

Client Sample ID: MW-369

Matrix: GROUNDWATER

Collection Date: 11/02/2023 10:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	11/07/2023 9:13	214216



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-022
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-370
Collection Date: 11/02/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.19	ft	1	11/02/2023 11:53	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.8	NTU	1	11/02/2023 11:53	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-24	mV	1	11/02/2023 11:53	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5860	µS/cm	1	11/02/2023 11:53	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.8	°C	1	11/02/2023 11:53	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.80	mg/L	1	11/02/2023 11:53	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.61		1	11/02/2023 11:53	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		413	mg/L	1	11/07/2023 17:39	R338912
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/07/2023 17:39	R338912
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3180	mg/L	1	11/06/2023 11:59	R338895
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		273	mg/L	10	11/03/2023 20:35	R338804
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.70	mg/L	1	11/08/2023 11:52	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	50	400		1420	mg/L	100	11/07/2023 20:59	R338951
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	41.1	mg/L	1	11/09/2023 4:58	214221
Magnesium	NELAP	0.0055	0.0500		23.1	mg/L	1	11/09/2023 4:58	214221
Potassium	NELAP	0.0400	0.100	S	6.32	mg/L	1	11/09/2023 4:58	214221
Sodium	NELAP	0.0180	0.0500	S	1200	mg/L	1	11/09/2023 4:58	214221
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<i>K - Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	11/09/2023 0:34	214221
Barium	NELAP	0.0007	0.0010		0.0285	mg/L	5	11/09/2023 0:34	214221
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221
Boron	NELAP	0.0092	0.0250	S	1.98	mg/L	5	11/10/2023 21:03	214481
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 0:34	214221
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221
Lithium	*	0.0015	0.0030		0.124	mg/L	5	11/09/2023 21:01	214221
Molybdenum	NELAP	0.0006	0.0015		0.0070	mg/L	5	11/09/2023 0:34	214221
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 0:34	214221



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-022
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-370
Collection Date: 11/02/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/09/2023 0:34	214221
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by re-prep and re-analysis.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/08/2023 14:05	214363



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-025
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-382
Collection Date: 11/02/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.96	ft	1	11/02/2023 12:49	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		32	NTU	1	11/02/2023 12:49	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-68	mV	1	11/02/2023 12:49	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1840	µS/cm	1	11/02/2023 12:49	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	11/02/2023 12:49	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.28	mg/L	1	11/02/2023 12:49	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.80		1	11/02/2023 12:49	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		462	mg/L	1	11/08/2023 11:37	R338998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		12	mg/L	1	11/08/2023 11:37	R338998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1130	mg/L	1	11/06/2023 11:59	R338895
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		420	mg/L	10	11/03/2023 20:42	R338804
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.24	mg/L	1	11/08/2023 11:21	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		32	mg/L	1	11/03/2023 20:37	R338809
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		21.9	mg/L	1	11/08/2023 12:29	214228
Magnesium	NELAP	0.0055	0.0500		10.5	mg/L	1	11/08/2023 12:29	214228
Potassium	NELAP	0.0400	0.100		3.90	mg/L	1	11/08/2023 12:29	214228
Sodium	NELAP	0.0180	0.0500		377	mg/L	1	11/08/2023 12:29	214228
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 4:35	214228
Arsenic	NELAP	0.0004	0.0010		0.0013	mg/L	5	11/09/2023 16:12	214228
Barium	NELAP	0.0007	0.0010		0.0171	mg/L	5	11/09/2023 4:35	214228
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 16:12	214228
Boron	NELAP	0.0092	0.0250		1.72	mg/L	5	11/09/2023 4:35	214228
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 16:12	214228
Chromium	NELAP	0.0007	0.0015		0.0055	mg/L	5	11/09/2023 4:35	214228
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	11/09/2023 4:35	214228
Lead	NELAP	0.0006	0.0010		0.0017	mg/L	5	11/09/2023 4:35	214228
Lithium	*	0.0015	0.0030		0.0566	mg/L	5	11/09/2023 16:12	214228
Molybdenum	NELAP	0.0006	0.0015	J	0.0014	mg/L	5	11/09/2023 4:35	214228
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 16:12	214228
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/09/2023 4:35	214228



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-025
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-382
Collection Date: 11/02/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/08/2023 14:16	214363



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-030
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-392
Collection Date: 10/31/2023 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.69	ft	1	10/31/2023 13:32	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.9	NTU	1	10/31/2023 13:32	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-144	mV	1	10/31/2023 13:32	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3380	µS/cm	1	10/31/2023 13:32	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	10/31/2023 13:32	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.63	mg/L	1	10/31/2023 13:32	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.65		1	10/31/2023 13:32	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		384	mg/L	1	11/03/2023 15:56	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/03/2023 15:56	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1840	mg/L	1	11/02/2023 10:40	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		66	mg/L	5	11/01/2023 22:07	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		4.52	mg/L	1	11/08/2023 11:27	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		871	mg/L	50	11/01/2023 22:13	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		50.8	mg/L	1	11/02/2023 17:09	214080
Magnesium	NELAP	0.0055	0.0500		18.0	mg/L	1	11/02/2023 17:09	214080
Potassium	NELAP	0.0400	0.100		6.66	mg/L	1	11/02/2023 17:09	214080
Sodium	NELAP	0.180	0.500		642	mg/L	10	11/03/2023 15:37	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0018	0.0040		< 0.0040	mg/L	20	11/03/2023 21:40	214080
Arsenic	NELAP	0.0016	0.0040		< 0.0040	mg/L	20	11/07/2023 17:34	214080
Barium	NELAP	0.0007	0.0010		0.0615	mg/L	5	11/03/2023 1:06	214080
Beryllium	NELAP	0.0010	0.0040		< 0.0040	mg/L	20	11/07/2023 17:34	214080
Boron	NELAP	0.0370	0.100		1.91	mg/L	20	11/07/2023 17:34	214080
Cadmium	NELAP	0.0006	0.0040		< 0.0040	mg/L	20	11/07/2023 17:34	214080
Chromium	NELAP	0.0028	0.0060		0.0186	mg/L	20	11/07/2023 17:34	214080
Cobalt	NELAP	0.0005	0.0040	J	0.0036	mg/L	20	11/07/2023 17:34	214080
Lead	NELAP	0.0024	0.0040	J	0.0038	mg/L	20	11/03/2023 21:40	214080
Lithium	*	0.0058	0.0120		0.114	mg/L	20	11/07/2023 17:34	214080
Molybdenum	NELAP	0.0024	0.0060		< 0.0060	mg/L	20	11/07/2023 17:34	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 1:06	214080
Thallium	NELAP	0.0038	0.0080		< 0.0080	mg/L	20	11/06/2023 13:56	214080

Elevated reporting limit due to matrix interference.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-030
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-392
Collection Date: 10/31/2023 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 8:47	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-031
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-393
Collection Date: 10/31/2023 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.08	ft	1	10/31/2023 15:03	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.1	NTU	1	10/31/2023 15:03	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-259	mV	1	10/31/2023 15:03	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4140	µS/cm	1	10/31/2023 15:03	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	10/31/2023 15:03	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	10/31/2023 15:03	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		8.19		1	10/31/2023 15:03	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		790	mg/L	1	11/03/2023 16:03	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		37	mg/L	1	11/03/2023 16:03	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2390	mg/L	1	11/02/2023 10:40	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		184	mg/L	5	11/01/2023 22:15	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		9.63	mg/L	10	11/09/2023 17:05	R339043
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		723	mg/L	20	11/01/2023 22:21	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		7.92	mg/L	1	11/02/2023 17:10	214080
Magnesium	NELAP	0.0055	0.0500		4.64	mg/L	1	11/02/2023 17:10	214080
Potassium	NELAP	0.0400	0.100		3.90	mg/L	1	11/02/2023 17:10	214080
Sodium	NELAP	0.180	0.500		921	mg/L	10	11/03/2023 15:38	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0018	0.0040		< 0.0040	mg/L	20	11/03/2023 21:46	214080
Arsenic	NELAP	0.0016	0.0040		< 0.0040	mg/L	20	11/07/2023 17:40	214080
Barium	NELAP	0.0028	0.0040		0.0582	mg/L	20	11/03/2023 21:46	214080
Beryllium	NELAP	0.0010	0.0040		< 0.0040	mg/L	20	11/07/2023 17:40	214080
Boron	NELAP	0.0370	0.100		1.59	mg/L	20	11/07/2023 17:40	214080
Cadmium	NELAP	0.0006	0.0040		< 0.0040	mg/L	20	11/07/2023 17:40	214080
Chromium	NELAP	0.0028	0.0060		< 0.0060	mg/L	20	11/07/2023 17:40	214080
Cobalt	NELAP	0.0005	0.0040		< 0.0040	mg/L	20	11/07/2023 17:40	214080
Lead	NELAP	0.0024	0.0040		< 0.0040	mg/L	20	11/03/2023 21:46	214080
Lithium	*	0.0058	0.0120		0.0672	mg/L	20	11/07/2023 17:40	214080
Molybdenum	NELAP	0.0024	0.0060		< 0.0060	mg/L	20	11/07/2023 17:40	214080
Selenium	NELAP	0.0024	0.0040		< 0.0040	mg/L	20	11/03/2023 21:46	214080
Thallium	NELAP	0.0038	0.0080		< 0.0080	mg/L	20	11/06/2023 14:02	214080

Elevated reporting limit due to matrix interference.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-031
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-393
Collection Date: 10/31/2023 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 8:49	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-032
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-394
Collection Date: 11/01/2023 13:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.74	ft	1	11/01/2023 13:14	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.7	NTU	1	11/01/2023 13:14	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-258	mV	1	11/01/2023 13:14	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4420	µS/cm	1	11/01/2023 13:14	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	11/01/2023 13:14	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.43	mg/L	1	11/01/2023 13:14	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.91		1	11/01/2023 13:14	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		747	mg/L	1	11/03/2023 16:12	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		41	mg/L	1	11/03/2023 16:12	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2500	mg/L	1	11/03/2023 11:49	R338812
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		187	mg/L	10	11/02/2023 22:08	R338709
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		5.66	mg/L	1	11/08/2023 12:12	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		854	mg/L	50	11/07/2023 21:04	R338951
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		13.4	mg/L	1	11/09/2023 4:36	214174
Magnesium	NELAP	0.0055	0.0500		6.20	mg/L	1	11/09/2023 4:36	214174
Potassium	NELAP	0.0400	0.100		3.20	mg/L	1	11/09/2023 4:36	214174
Sodium	NELAP	0.0180	0.0500		1100	mg/L	1	11/09/2023 4:36	214174
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Barium	NELAP	0.0007	0.0010		0.0324	mg/L	5	11/09/2023 1:34	214174
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Boron	NELAP	0.0092	0.0250		1.90	mg/L	5	11/09/2023 1:34	214174
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 1:34	214174
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Lithium	*	0.0015	0.0030		0.0907	mg/L	5	11/09/2023 15:00	214174
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/09/2023 1:34	214174
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 1:34	214174
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 3:19	214174



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll Client Project: BAL-23Q4 Lab ID: 23101244-032 Matrix: GROUNDWATER	Work Order: 23101244 Report Date: 27-Nov-23 Client Sample ID: MW-394 Collection Date: 11/01/2023 13:14
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Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>CCV recovered outside the upper control limits for As, Be, Cd, 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	11/10/2023 8:52	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-035
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: OW-256
Collection Date: 10/31/2023 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.31	ft	1	10/31/2023 12:02	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	10/31/2023 12:02	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-65	mV	1	10/31/2023 12:02	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		831	µS/cm	1	10/31/2023 12:02	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.7	°C	1	10/31/2023 12:02	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.25	mg/L	1	10/31/2023 12:02	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	10/31/2023 12:02	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		313	mg/L	1	11/03/2023 16:21	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/03/2023 16:21	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		490	mg/L	1	11/02/2023 10:46	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		80	mg/L	5	11/01/2023 22:23	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	11/08/2023 11:28	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		59	mg/L	5	11/01/2023 22:23	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		83.0	mg/L	1	11/02/2023 17:11	214080
Magnesium	NELAP	0.0055	0.0500		33.7	mg/L	1	11/02/2023 17:11	214080
Potassium	NELAP	0.0400	0.100		0.934	mg/L	1	11/02/2023 17:11	214080
Sodium	NELAP	0.0180	0.0500		50.5	mg/L	1	11/02/2023 17:11	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 2:18	214080
Arsenic	NELAP	0.0004	0.0010		0.0021	mg/L	5	11/03/2023 2:18	214080
Barium	NELAP	0.0007	0.0010		0.130	mg/L	5	11/03/2023 2:18	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:18	214080
Boron	NELAP	0.0092	0.0250		0.267	mg/L	5	11/03/2023 2:18	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:18	214080
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	11/03/2023 2:18	214080
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	11/03/2023 2:18	214080
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:18	214080
Lithium	*	0.0015	0.0030		0.0136	mg/L	5	11/03/2023 2:18	214080
Molybdenum	NELAP	0.0006	0.0015	J	0.0014	mg/L	5	11/03/2023 2:18	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:18	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 2:18	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

Lab ID: 23101244-035

Client Sample ID: OW-256

Matrix: GROUNDWATER

Collection Date: 10/31/2023 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 8:58	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-036
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: OW-257
Collection Date: 10/31/2023 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.28	ft	1	10/31/2023 9:48	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		78	NTU	1	10/31/2023 9:48	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-33	mV	1	10/31/2023 9:48	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1050	µS/cm	1	10/31/2023 9:48	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.4	°C	1	10/31/2023 9:48	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.30	mg/L	1	10/31/2023 9:48	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.78		1	10/31/2023 9:48	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		571	mg/L	1	11/03/2023 16:51	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/03/2023 16:51	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		700	mg/L	1	11/02/2023 10:46	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		112	mg/L	5	11/02/2023 13:07	R338709
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	11/08/2023 11:30	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		7	mg/L	1	11/01/2023 22:29	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		118	mg/L	1	11/02/2023 17:12	214080
Magnesium	NELAP	0.0055	0.0500		49.9	mg/L	1	11/02/2023 17:12	214080
Potassium	NELAP	0.0400	0.100		2.99	mg/L	1	11/02/2023 17:12	214080
Sodium	NELAP	0.0180	0.0500		82.5	mg/L	1	11/02/2023 17:12	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 2:24	214080
Arsenic	NELAP	0.0004	0.0010		0.0052	mg/L	5	11/03/2023 2:24	214080
Barium	NELAP	0.0007	0.0010		0.144	mg/L	5	11/03/2023 2:24	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:24	214080
Boron	NELAP	0.0092	0.0250		0.615	mg/L	5	11/03/2023 2:24	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:24	214080
Chromium	NELAP	0.0007	0.0015		0.0050	mg/L	5	11/03/2023 2:24	214080
Cobalt	NELAP	0.0001	0.0010		0.0046	mg/L	5	11/03/2023 2:24	214080
Lead	NELAP	0.0006	0.0010		0.0019	mg/L	5	11/03/2023 2:24	214080
Lithium	*	0.0015	0.0030		0.0365	mg/L	5	11/03/2023 2:24	214080
Molybdenum	NELAP	0.0006	0.0015		0.0040	mg/L	5	11/03/2023 2:24	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:24	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 2:24	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-036
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: OW-257
Collection Date: 10/31/2023 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 9:01	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-037
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: PZ-170
Collection Date: 10/31/2023 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.92	ft	1	10/31/2023 10:17	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.3	NTU	1	10/31/2023 10:17	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-108	mV	1	10/31/2023 10:17	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1620	µS/cm	1	10/31/2023 10:17	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.0	°C	1	10/31/2023 10:17	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.97	mg/L	1	10/31/2023 10:17	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.51		1	10/31/2023 10:17	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		638	mg/L	1	11/03/2023 16:27	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/03/2023 16:27	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1100	mg/L	1	11/02/2023 10:46	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		232	mg/L	10	11/01/2023 23:06	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	11/08/2023 11:31	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		82	mg/L	10	11/01/2023 23:06	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		200	mg/L	1	11/02/2023 17:12	214080
Magnesium	NELAP	0.0055	0.0500		80.2	mg/L	1	11/02/2023 17:12	214080
Potassium	NELAP	0.0400	0.100		1.19	mg/L	1	11/02/2023 17:12	214080
Sodium	NELAP	0.0180	0.0500		94.3	mg/L	1	11/02/2023 17:12	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 2:30	214080
Arsenic	NELAP	0.0004	0.0010		0.0012	mg/L	5	11/03/2023 2:30	214080
Barium	NELAP	0.0007	0.0010		0.155	mg/L	5	11/03/2023 2:30	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:30	214080
Boron	NELAP	0.0092	0.0250		0.426	mg/L	5	11/03/2023 2:30	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:30	214080
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/03/2023 2:30	214080
Cobalt	NELAP	0.0001	0.0010		0.0037	mg/L	5	11/03/2023 2:30	214080
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:30	214080
Lithium	*	0.0015	0.0030		0.0361	mg/L	5	11/03/2023 2:30	214080
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	11/03/2023 2:30	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:30	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 2:30	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-037
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: PZ-170
Collection Date: 10/31/2023 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 9:03	214490



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-038
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: PZ-182
Collection Date: 10/31/2023 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.72	ft	1	10/31/2023 10:57	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.9	NTU	1	10/31/2023 10:57	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-71	mV	1	10/31/2023 10:57	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1260	µS/cm	1	10/31/2023 10:57	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.5	°C	1	10/31/2023 10:57	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.70	mg/L	1	10/31/2023 10:57	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		6.56		1	10/31/2023 10:57	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		495	mg/L	1	11/03/2023 16:35	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/03/2023 16:35	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		804	mg/L	1	11/02/2023 11:19	R338738
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		207	mg/L	10	11/01/2023 23:14	R338641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	11/08/2023 11:33	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		40	mg/L	1	11/01/2023 23:09	R338688
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		171	mg/L	1	11/02/2023 17:13	214080
Magnesium	NELAP	0.0055	0.0500		65.8	mg/L	1	11/02/2023 17:13	214080
Potassium	NELAP	0.0400	0.100		0.583	mg/L	1	11/02/2023 17:13	214080
Sodium	NELAP	0.0180	0.0500		45.0	mg/L	1	11/02/2023 17:13	214080
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/03/2023 2:36	214080
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	11/03/2023 2:36	214080
Barium	NELAP	0.0007	0.0010		0.0886	mg/L	5	11/03/2023 2:36	214080
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:36	214080
Boron	NELAP	0.0092	0.0250		0.684	mg/L	5	11/03/2023 2:36	214080
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/03/2023 2:36	214080
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/03/2023 2:36	214080
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	11/03/2023 2:36	214080
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:36	214080
Lithium	*	0.0015	0.0030		0.0173	mg/L	5	11/03/2023 2:36	214080
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/03/2023 2:36	214080
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/03/2023 2:36	214080
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/03/2023 2:36	214080

PQL recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-038
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: PZ-182
Collection Date: 10/31/2023 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 9:10	214490



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

Lab ID: 23101244-039

Client Sample ID: TPZ-164

Matrix: GROUNDWATER

Collection Date: 10/30/2023 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.71	ft	1	10/30/2023 13:30	R338785



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-041
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: XPW05
Collection Date: 10/30/2023 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.64	ft	1	10/30/2023 13:26	R338785



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Lab ID: 23101244-042

Client Sample ID: XPW06

Matrix: GROUNDWATER

Collection Date: 10/30/2023 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.46	ft	1	10/30/2023 14:26	R338785



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-043
Matrix: AQUEOUS

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: Field Blank
Collection Date: 11/03/2023 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		2	mg/L	1	11/07/2023 18:34	R338912
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/07/2023 18:34	R338912
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	11/06/2023 11:50	R338895
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	11/07/2023 21:07	R338917
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	11/08/2023 12:13	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	11/07/2023 21:07	R338951
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	11/08/2023 14:09	214228
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	11/08/2023 14:09	214228
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	11/08/2023 14:09	214228
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	11/08/2023 14:09	214228
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 4:47	214228
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/09/2023 16:24	214228
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	11/09/2023 4:47	214228
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 16:24	214228
Boron	NELAP	0.0092	0.0250		0.0305	mg/L	5	11/09/2023 4:47	214228
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/09/2023 16:24	214228
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/09/2023 4:47	214228
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/09/2023 4:47	214228
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 4:47	214228
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/09/2023 16:24	214228
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/09/2023 4:47	214228
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/09/2023 16:24	214228
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/09/2023 4:47	214228
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 10:06	214492



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-044
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-304 Duplicate
Collection Date: 11/01/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.26	ft	1	11/01/2023 10:34	R338785
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.7	NTU	1	11/01/2023 10:34	R338785
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	11/01/2023 10:34	R338785
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2370	µS/cm	1	11/01/2023 10:34	R338785
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	11/01/2023 10:34	R338785
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.80	mg/L	1	11/01/2023 10:34	R338785
SW-846 9040B FIELD									
pH	*	0	1.00		7.81		1	11/01/2023 10:34	R338785
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		831	mg/L	1	11/03/2023 16:42	R338806
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		29	mg/L	1	11/03/2023 16:42	R338806
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1360	mg/L	1	11/03/2023 11:49	R338812
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		192	mg/L	10	11/02/2023 22:26	R338709
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.88	mg/L	1	11/08/2023 12:16	R338960
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		161	mg/L	10	11/02/2023 22:26	R338744
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		11.9	mg/L	1	11/09/2023 4:40	214174
Magnesium	NELAP	0.0055	0.0500		5.22	mg/L	1	11/09/2023 4:40	214174
Potassium	NELAP	0.0400	0.100		2.02	mg/L	1	11/09/2023 4:40	214174
Sodium	NELAP	0.0180	0.0500		647	mg/L	1	11/09/2023 4:40	214174
<i>Sample result for Na exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0038	mg/L	5	11/08/2023 22:52	214174
Arsenic	NELAP	0.0004	0.0010		0.0028	mg/L	5	11/08/2023 22:52	214174
Barium	NELAP	0.0007	0.0010		0.0204	mg/L	5	11/08/2023 22:52	214174
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/08/2023 22:52	214174
Boron	NELAP	0.0092	0.0250		1.56	mg/L	5	11/08/2023 22:52	214174
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/08/2023 22:52	214174
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/08/2023 22:52	214174
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/08/2023 22:52	214174
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/08/2023 22:52	214174
Lithium	*	0.0015	0.0030		0.0771	mg/L	5	11/09/2023 16:30	214174
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	11/08/2023 22:52	214174
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/08/2023 22:52	214174
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/07/2023 3:25	214174



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101244-044
Matrix: GROUNDWATER

Work Order: 23101244
Report Date: 27-Nov-23
Client Sample ID: MW-304 Duplicate
Collection Date: 11/01/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/10/2023 9:12	214490



Sample Summary

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23101244-009	MW-192	Groundwater	2	10/31/2023 12:41
23101244-010	MW-193	Groundwater	2	10/31/2023 14:28
23101244-013	MW-304	Groundwater	4	11/01/2023 10:34
23101244-014	MW-306	Groundwater	4	11/03/2023 9:27
23101244-018	MW-356	Groundwater	2	11/02/2023 9:42
23101244-019	MW-358	Groundwater	2	11/01/2023 12:05
23101244-021	MW-369	Groundwater	2	11/02/2023 10:39
23101244-022	MW-370	Groundwater	2	11/02/2023 11:53
23101244-025	MW-382	Groundwater	2	11/02/2023 12:49
23101244-030	MW-392	Groundwater	2	10/31/2023 13:32
23101244-031	MW-393	Groundwater	2	10/31/2023 15:03
23101244-032	MW-394	Groundwater	2	11/01/2023 13:14
23101244-035	OW-256	Groundwater	2	10/31/2023 12:02
23101244-036	OW-257	Groundwater	2	10/31/2023 9:48
23101244-037	PZ-170	Groundwater	2	10/31/2023 10:17
23101244-038	PZ-182	Groundwater	2	10/31/2023 10:57
23101244-039	TPZ-164	Groundwater	1	10/30/2023 13:30
23101244-040	XPW01	Groundwater	1	10/30/2023 13:40
23101244-041	XPW05	Groundwater	1	10/30/2023 13:26
23101244-042	XPW06	Groundwater	1	10/30/2023 14:26
23101244-043	Field Blank	Aqueous	4	11/03/2023 12:12
23101244-044	MW-304 Duplicate	Groundwater	4	11/01/2023 10:34



Dates Report

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23101244-009A	MW-192	10/31/2023 12:41	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 12:41
	Standard Methods 2130 B Field				10/31/2023 12:41
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 12:41
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 13:56
	Standard Methods 2320 B 1997, 2011				11/03/2023 13:56
	Standard Methods 2510 B Field				10/31/2023 12:41
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:38
	Standard Methods 2550 B Field				10/31/2023 12:41
	Standard Methods 4500-O G Field				10/31/2023 12:41
	SW-846 9036 (Total)				11/01/2023 21:35
	SW-846 9040B Field				10/31/2023 12:41
	SW-846 9214 (Total)				11/08/2023 10:58
	SW-846 9251 (Total)				11/01/2023 21:35
23101244-009B	MW-192	10/31/2023 12:41	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 0:42
	SW-846 7470A (Total)			11/03/2023 18:30	11/06/2023 14:24
23101244-010A	MW-193	10/31/2023 14:28	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 14:28
	Standard Methods 2130 B Field				10/31/2023 14:28
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 14:28
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 14:03
	Standard Methods 2320 B 1997, 2011				11/03/2023 14:03
	Standard Methods 2510 B Field				10/31/2023 14:28
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:39
	Standard Methods 2550 B Field				10/31/2023 14:28
	Standard Methods 4500-O G Field				10/31/2023 14:28
	SW-846 9036 (Total)				11/01/2023 21:49
	SW-846 9040B Field				10/31/2023 14:28
	SW-846 9214 (Total)				11/08/2023 11:00
	SW-846 9251 (Total)				11/01/2023 21:43
23101244-010B	MW-193	10/31/2023 14:28	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 0:48
	SW-846 7470A (Total)			11/03/2023 18:30	11/06/2023 14:31
23101244-013A	MW-304	11/01/2023 10:34	11/01/2023 17:35		



Dates Report

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Field Elevation Measurements				11/01/2023 10:34
	Standard Methods 2130 B Field				11/01/2023 10:34
	Standard Methods 18th Ed. 2580 B Field				11/01/2023 10:34
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 14:27
	Standard Methods 2320 B 1997, 2011				11/03/2023 14:27
	Standard Methods 2510 B Field				11/01/2023 10:34
	Standard Methods 2540 C (Total) 1997, 2011				11/03/2023 11:48
	Standard Methods 2550 B Field				11/01/2023 10:34
	Standard Methods 4500-NO2 B (Total) 2000, 2011				11/02/2023 18:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/02/2023 14:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/02/2023 14:30
	Standard Methods 4500-O G Field				11/01/2023 10:34
	SW-846 9036 (Total)				11/02/2023 21:41
	SW-846 9040B Field				11/01/2023 10:34
	SW-846 9214 (Total)				11/08/2023 11:04
	SW-846 9251 (Total)				11/02/2023 21:41
23101244-013B	MW-304	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 9036 (Dissolved)				11/02/2023 23:54
	SW-846 9251 (Dissolved)				11/02/2023 14:45
23101244-013C	MW-304	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/02/2023 20:31	11/09/2023 3:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/07/2023 1:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 1:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 14:42
	SW-846 7470A (Total)			11/03/2023 19:30	11/06/2023 15:41
23101244-013D	MW-304	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 3:17
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 13:17
23101244-014A	MW-306	11/03/2023 9:27	11/03/2023 14:00		
	Field Elevation Measurements				11/03/2023 9:27
	Standard Methods 2130 B Field				11/03/2023 9:27
	Standard Methods 18th Ed. 2580 B Field				11/03/2023 9:27
	Standard Methods 2320 B (Total) 1997, 2011				11/07/2023 17:18
	Standard Methods 2320 B 1997, 2011				11/07/2023 17:18
	Standard Methods 2510 B Field				11/03/2023 9:27
	Standard Methods 2540 C (Total) 1997, 2011				11/06/2023 11:43
	Standard Methods 2550 B Field				11/03/2023 9:27



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO2 B (Total) 2000, 2011				11/03/2023 19:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/03/2023 20:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/03/2023 20:43
	Standard Methods 4500-O G Field				11/03/2023 9:27
	SW-846 9036 (Total)				11/07/2023 20:03
	SW-846 9040B Field				11/03/2023 9:27
	SW-846 9214 (Total)				11/08/2023 11:46
	SW-846 9251 (Total)				11/07/2023 20:03
23101244-014B	MW-306	11/03/2023 9:27	11/03/2023 14:00		
	SW-846 9036 (Dissolved)				11/07/2023 19:07
	SW-846 9251 (Dissolved)				11/07/2023 19:07
23101244-014C	MW-306	11/03/2023 9:27	11/03/2023 14:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/03/2023 19:17	11/07/2023 13:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/03/2023 19:17	11/07/2023 3:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/03/2023 19:17	11/09/2023 2:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/03/2023 19:17	11/09/2023 16:36
	SW-846 7470A (Total)			11/07/2023 14:42	11/08/2023 13:56
23101244-014D	MW-306	11/03/2023 9:27	11/03/2023 14:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 3:23
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 13:23
23101244-018A	MW-356	11/02/2023 9:42	11/02/2023 17:40		
	Field Elevation Measurements				11/02/2023 9:42
	Standard Methods 2130 B Field				11/02/2023 9:42
	Standard Methods 18th Ed. 2580 B Field				11/02/2023 9:42
	Standard Methods 2320 B (Total) 1997, 2011				11/07/2023 17:31
	Standard Methods 2320 B 1997, 2011				11/07/2023 17:31
	Standard Methods 2510 B Field				11/02/2023 9:42
	Standard Methods 2540 C (Total) 1997, 2011				11/06/2023 11:51
	Standard Methods 2550 B Field				11/02/2023 9:42
	Standard Methods 4500-O G Field				11/02/2023 9:42
	SW-846 9036 (Total)				11/07/2023 20:08
	SW-846 9040B Field				11/02/2023 9:42
	SW-846 9214 (Total)				11/08/2023 11:51
	SW-846 9251 (Total)				11/03/2023 19:38
23101244-018B	MW-356	11/02/2023 9:42	11/02/2023 17:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2023 13:45	11/06/2023 19:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/06/2023 18:45



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/07/2023 19:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/08/2023 8:57	11/10/2023 15:34
	SW-846 7470A (Total)			11/03/2023 19:30	11/06/2023 16:53
23101244-019A	MW-358	11/01/2023 12:05	11/01/2023 17:35		
	Field Elevation Measurements				11/01/2023 12:05
	Standard Methods 2130 B Field				11/01/2023 12:05
	Standard Methods 18th Ed. 2580 B Field				11/01/2023 12:05
	Standard Methods 2320 B (Total) 1997, 2011				11/08/2023 11:13
	Standard Methods 2320 B 1997, 2011				11/08/2023 11:13
	Standard Methods 2510 B Field				11/01/2023 12:05
	Standard Methods 2540 C (Total) 1997, 2011				11/03/2023 11:48
	Standard Methods 2550 B Field				11/01/2023 12:05
	Standard Methods 4500-O G Field				11/01/2023 12:05
	SW-846 9036 (Total)				11/07/2023 13:53
	SW-846 9040B Field				11/01/2023 12:05
	SW-846 9214 (Total)				11/08/2023 11:08
	SW-846 9251 (Total)				11/02/2023 21:49
23101244-019B	MW-358	11/01/2023 12:05	11/01/2023 17:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/02/2023 20:31	11/09/2023 4:03
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/09/2023 18:56	11/13/2023 9:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/07/2023 4:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 3:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 13:41
	SW-846 7470A (Total)			11/03/2023 20:25	11/07/2023 8:59
23101244-021A	MW-369	11/02/2023 10:39	11/02/2023 17:40		
	Field Elevation Measurements				11/02/2023 10:39
	Standard Methods 2130 B Field				11/02/2023 10:39
	Standard Methods 18th Ed. 2580 B Field				11/02/2023 10:39
	Standard Methods 2320 B (Total) 1997, 2011				11/08/2023 11:27
	Standard Methods 2320 B 1997, 2011				11/08/2023 11:27
	Standard Methods 2510 B Field				11/02/2023 10:39
	Standard Methods 2540 C (Total) 1997, 2011				11/07/2023 15:28
	Standard Methods 2550 B Field				11/02/2023 10:39
	Standard Methods 4500-O G Field				11/02/2023 10:39
	SW-846 9036 (Total)				11/03/2023 20:27
	SW-846 9040B Field				11/02/2023 10:39
	SW-846 9214 (Total)				11/08/2023 11:11
	SW-846 9251 (Total)				11/03/2023 20:26



Dates Report

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23101244-021B	MW-369	11/02/2023 10:39	11/02/2023 17:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2023 13:45	11/09/2023 4:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/07/2023 1:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/08/2023 23:10
	SW-846 7470A (Total)			11/03/2023 20:25	11/07/2023 9:13
23101244-022A	MW-370	11/02/2023 11:53	11/02/2023 17:40		
	Field Elevation Measurements				11/02/2023 11:53
	Standard Methods 2130 B Field				11/02/2023 11:53
	Standard Methods 18th Ed. 2580 B Field				11/02/2023 11:53
	Standard Methods 2320 B (Total) 1997, 2011				11/07/2023 17:39
	Standard Methods 2320 B 1997, 2011				11/07/2023 17:39
	Standard Methods 2510 B Field				11/02/2023 11:53
	Standard Methods 2540 C (Total) 1997, 2011				11/06/2023 11:59
	Standard Methods 2550 B Field				11/02/2023 11:53
	Standard Methods 4500-O G Field				11/02/2023 11:53
	SW-846 9036 (Total)				11/03/2023 20:35
	SW-846 9040B Field				11/02/2023 11:53
	SW-846 9214 (Total)				11/08/2023 11:52
	SW-846 9251 (Total)				11/07/2023 20:59
23101244-022B	MW-370	11/02/2023 11:53	11/02/2023 17:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2023 13:45	11/09/2023 4:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/07/2023 2:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/09/2023 0:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 13:45	11/09/2023 21:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/09/2023 12:47	11/10/2023 21:03
	SW-846 7470A (Total)			11/07/2023 14:42	11/08/2023 14:05
23101244-025A	MW-382	11/02/2023 12:49	11/02/2023 17:40		
	Field Elevation Measurements				11/02/2023 12:49
	Standard Methods 2130 B Field				11/02/2023 12:49
	Standard Methods 18th Ed. 2580 B Field				11/02/2023 12:49
	Standard Methods 2320 B (Total) 1997, 2011				11/08/2023 11:37
	Standard Methods 2320 B 1997, 2011				11/08/2023 11:37
	Standard Methods 2510 B Field				11/02/2023 12:49
	Standard Methods 2540 C (Total) 1997, 2011				11/06/2023 11:59
	Standard Methods 2550 B Field				11/02/2023 12:49
	Standard Methods 4500-O G Field				11/02/2023 12:49
	SW-846 9036 (Total)				11/03/2023 20:42



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name				Prep Date/Time	Analysis Date/Time
	SW-846 9040B Field				11/02/2023 12:49
	SW-846 9214 (Total)				11/08/2023 11:21
	SW-846 9251 (Total)				11/03/2023 20:37
23101244-025B	MW-382	11/02/2023 12:49	11/02/2023 17:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2023 14:38	11/08/2023 12:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 14:38	11/09/2023 4:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 14:38	11/09/2023 16:12
	SW-846 7470A (Total)			11/07/2023 14:42	11/08/2023 14:16
23101244-030A	MW-392	10/31/2023 13:32	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 13:32
	Standard Methods 2130 B Field				10/31/2023 13:32
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 13:32
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 15:56
	Standard Methods 2320 B 1997, 2011				11/03/2023 15:56
	Standard Methods 2510 B Field				10/31/2023 13:32
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:40
	Standard Methods 2550 B Field				10/31/2023 13:32
	Standard Methods 4500-O G Field				10/31/2023 13:32
	SW-846 9036 (Total)				11/01/2023 22:07
	SW-846 9040B Field				10/31/2023 13:32
	SW-846 9214 (Total)				11/08/2023 11:27
	SW-846 9251 (Total)				11/01/2023 22:13
23101244-030B	MW-392	10/31/2023 13:32	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:09
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/03/2023 15:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 1:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 21:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 21:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/06/2023 13:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/07/2023 17:34
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 8:47
23101244-031A	MW-393	10/31/2023 15:03	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 15:03
	Standard Methods 2130 B Field				10/31/2023 15:03
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 15:03
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:03
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:03



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 2510 B Field				10/31/2023 15:03
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:40
	Standard Methods 2550 B Field				10/31/2023 15:03
	Standard Methods 4500-O G Field				10/31/2023 15:03
	SW-846 9036 (Total)				11/01/2023 22:15
	SW-846 9040B Field				10/31/2023 15:03
	SW-846 9214 (Total)				11/09/2023 17:05
	SW-846 9251 (Total)				11/01/2023 22:21
23101244-031B	MW-393	10/31/2023 15:03	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:10
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/03/2023 15:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 21:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 22:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/06/2023 14:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/07/2023 17:40
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 8:49
23101244-032A	MW-394	11/01/2023 13:14	11/01/2023 17:35		
	Field Elevation Measurements				11/01/2023 13:14
	Standard Methods 2130 B Field				11/01/2023 13:14
	Standard Methods 18th Ed. 2580 B Field				11/01/2023 13:14
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:12
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:12
	Standard Methods 2510 B Field				11/01/2023 13:14
	Standard Methods 2540 C (Total) 1997, 2011				11/03/2023 11:49
	Standard Methods 2550 B Field				11/01/2023 13:14
	Standard Methods 4500-O G Field				11/01/2023 13:14
	SW-846 9036 (Total)				11/02/2023 22:08
	SW-846 9040B Field				11/01/2023 13:14
	SW-846 9214 (Total)				11/08/2023 12:12
	SW-846 9251 (Total)				11/07/2023 21:04
23101244-032B	MW-394	11/01/2023 13:14	11/01/2023 17:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/02/2023 20:31	11/09/2023 4:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/07/2023 3:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 1:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 15:00
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 8:52
23101244-035A	OW-256	10/31/2023 12:02	10/31/2023 17:20		



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Field Elevation Measurements				10/31/2023 12:02
	Standard Methods 2130 B Field				10/31/2023 12:02
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 12:02
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:21
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:21
	Standard Methods 2510 B Field				10/31/2023 12:02
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:46
	Standard Methods 2550 B Field				10/31/2023 12:02
	Standard Methods 4500-O G Field				10/31/2023 12:02
	SW-846 9036 (Total)				11/01/2023 22:23
	SW-846 9040B Field				10/31/2023 12:02
	SW-846 9214 (Total)				11/08/2023 11:28
	SW-846 9251 (Total)				11/01/2023 22:23
23101244-035B	OW-256	10/31/2023 12:02	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 2:18
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 8:58
23101244-036A	OW-257	10/31/2023 9:48	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 9:48
	Standard Methods 2130 B Field				10/31/2023 9:48
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 9:48
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:51
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:51
	Standard Methods 2510 B Field				10/31/2023 9:48
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:46
	Standard Methods 2550 B Field				10/31/2023 9:48
	Standard Methods 4500-O G Field				10/31/2023 9:48
	SW-846 9036 (Total)				11/02/2023 13:07
	SW-846 9040B Field				10/31/2023 9:48
	SW-846 9214 (Total)				11/08/2023 11:30
	SW-846 9251 (Total)				11/01/2023 22:29
23101244-036B	OW-257	10/31/2023 9:48	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 2:24
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 9:01
23101244-037A	PZ-170	10/31/2023 10:17	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 10:17



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2130 B Field				10/31/2023 10:17
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 10:17
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:27
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:27
	Standard Methods 2510 B Field				10/31/2023 10:17
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 10:46
	Standard Methods 2550 B Field				10/31/2023 10:17
	Standard Methods 4500-O G Field				10/31/2023 10:17
	SW-846 9036 (Total)				11/01/2023 23:06
	SW-846 9040B Field				10/31/2023 10:17
	SW-846 9214 (Total)				11/08/2023 11:31
	SW-846 9251 (Total)				11/01/2023 23:06
23101244-037B	PZ-170	10/31/2023 10:17	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 2:30
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 9:03
23101244-038A	PZ-182	10/31/2023 10:57	10/31/2023 17:20		
	Field Elevation Measurements				10/31/2023 10:57
	Standard Methods 2130 B Field				10/31/2023 10:57
	Standard Methods 18th Ed. 2580 B Field				10/31/2023 10:57
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:35
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:35
	Standard Methods 2510 B Field				10/31/2023 10:57
	Standard Methods 2540 C (Total) 1997, 2011				11/02/2023 11:19
	Standard Methods 2550 B Field				10/31/2023 10:57
	Standard Methods 4500-O G Field				10/31/2023 10:57
	SW-846 9036 (Total)				11/01/2023 23:14
	SW-846 9040B Field				10/31/2023 10:57
	SW-846 9214 (Total)				11/08/2023 11:33
	SW-846 9251 (Total)				11/01/2023 23:09
23101244-038B	PZ-182	10/31/2023 10:57	10/31/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/01/2023 15:23	11/02/2023 17:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/01/2023 15:23	11/03/2023 2:36
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 9:10
23101244-039A	TPZ-164	10/30/2023 13:30	10/31/2023 17:20		
	Field Elevation Measurements				10/30/2023 13:30
23101244-041A	XPW05	10/30/2023 13:26	10/31/2023 17:20		



Dates Report

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Field Elevation Measurements				10/30/2023 13:26
23101244-042A	XPW06	10/30/2023 14:26	10/31/2023 17:20		
	Field Elevation Measurements				10/30/2023 14:26
23101244-043A	Field Blank	11/03/2023 12:12	11/03/2023 14:00		
	Standard Methods 2320 B (Total) 1997, 2011				11/07/2023 18:34
	Standard Methods 2320 B 1997, 2011				11/07/2023 18:34
	Standard Methods 2540 C (Total) 1997, 2011				11/06/2023 11:50
	Standard Methods 4500-NO2 B (Total) 2000, 2011				11/03/2023 19:50
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/03/2023 21:13
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/03/2023 21:13
	SW-846 9036 (Total)				11/07/2023 21:07
	SW-846 9214 (Total)				11/08/2023 12:13
	SW-846 9251 (Total)				11/07/2023 21:07
23101244-043B	Field Blank	11/03/2023 12:12	11/03/2023 14:00		
	SW-846 9036 (Dissolved)				11/07/2023 19:15
	SW-846 9251 (Dissolved)				11/07/2023 19:15
23101244-043C	Field Blank	11/03/2023 12:12	11/03/2023 14:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2023 14:38	11/08/2023 14:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 14:38	11/09/2023 4:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/04/2023 14:38	11/09/2023 16:24
	SW-846 7470A (Total)			11/09/2023 15:37	11/10/2023 10:06
23101244-043D	Field Blank	11/03/2023 12:12	11/03/2023 14:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 4:23
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 14:24
23101244-044A	MW-304 Duplicate	11/01/2023 10:34	11/01/2023 17:35		
	Field Elevation Measurements				11/01/2023 10:34
	Standard Methods 2130 B Field				11/01/2023 10:34
	Standard Methods 18th Ed. 2580 B Field				11/01/2023 10:34
	Standard Methods 2320 B (Total) 1997, 2011				11/03/2023 16:42
	Standard Methods 2320 B 1997, 2011				11/03/2023 16:42
	Standard Methods 2510 B Field				11/01/2023 10:34
	Standard Methods 2540 C (Total) 1997, 2011				11/03/2023 11:49
	Standard Methods 2550 B Field				11/01/2023 10:34
	Standard Methods 4500-NO2 B (Total) 2000, 2011				11/02/2023 18:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/02/2023 14:32
	Standard Methods 4500-NO3 F (Total) 2000, 2011				11/02/2023 14:32
	Standard Methods 4500-O G Field				11/01/2023 10:34



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9036 (Total)				11/02/2023 22:26
	SW-846 9040B Field				11/01/2023 10:34
	SW-846 9214 (Total)				11/08/2023 12:16
	SW-846 9251 (Total)				11/02/2023 22:26
23101244-044B	MW-304 Duplicate	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 9036 (Dissolved)				11/02/2023 22:42
	SW-846 9251 (Dissolved)				11/02/2023 14:48
23101244-044C	MW-304 Duplicate	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/02/2023 20:31	11/09/2023 4:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/07/2023 3:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/08/2023 22:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			11/02/2023 20:31	11/09/2023 16:30
	SW-846 7470A (Total)			11/09/2023 15:35	11/10/2023 9:12
23101244-044D	MW-304 Duplicate	11/01/2023 10:34	11/01/2023 17:35		
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 4:53
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			11/06/2023 9:58	11/09/2023 14:30



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

STANDARD METHODS 2510 B FIELD

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	10/31/2023

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	11/01/2023

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-3

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	11/02/2023

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-4

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	11/03/2023

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.9	90	110	10/31/2023

Batch R338785 **SampType: LCS** Units $\mu\text{S/cm}$

SampID: LCS-R338785-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1430	1412	0	101.1	90	110	11/03/2023

SW-846 9040B FIELD

Batch R338785 **SampType: LCS** Units

SampID: LCS-R338785-1

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	10/31/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9040B FIELD

Batch R338785		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338785-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4	11/01/2023	

Batch R338785		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338785-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.05	7.000	0	100.7	98.57	101.4	11/02/2023	

Batch R338785		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338785-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	11/03/2023	

Batch R338785		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338785-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	10/31/2023	

Batch R338785		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338785-6											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	11/03/2023	

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R338738		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
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	11/02/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/02/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/02/2023	

Batch R338738		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		948	1000	0	94.8	90	110	11/02/2023	
Total Dissolved Solids		20		938	1000	0	93.8	90	110	11/02/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R338738		SampType: DUP		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
SampID: 23101244-010ADUP										
Total Dissolved Solids		20		558				578.0	3.52	11/02/2023

Batch R338812		SampType: MBLK		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: MBLK										
Total Dissolved Solids		20	J	16	16.00	0	100.0	-100	100	11/03/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/03/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/03/2023

Batch R338812		SampType: LCS		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS										
Total Dissolved Solids		20		966	1000	0	96.6	90	110	11/03/2023
Total Dissolved Solids		20		944	1000	0	94.4	90	110	11/03/2023
Total Dissolved Solids		20		988	1000	0	98.8	90	110	11/03/2023

Batch R338812		SampType: DUP		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
SampID: 23101244-026ADUP										
Total Dissolved Solids		20		962				934.0	2.95	11/03/2023

Batch R338895		SampType: MBLK		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: MBLK										
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/06/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/06/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/06/2023

Batch R338895		SampType: LCS		Units mg/L				RPD Limit 10		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS										
Total Dissolved Solids		20		958	1000	0	95.8	90	110	11/06/2023
Total Dissolved Solids		20		904	1000	0	90.4	90	110	11/06/2023
Total Dissolved Solids		20		934	1000	0	93.4	90	110	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R338895		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 23101244-014ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		444				440.0	0.90	11/06/2023	

Batch R338953		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	11/07/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/07/2023	

Batch R338953		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		968	1000	0	96.8	90	110	11/07/2023	
Total Dissolved Solids		20		962	1000	0	96.2	90	110	11/07/2023	

Batch R338953		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 23101244-021ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		1400				0	0.00	11/07/2023	

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

Batch R338638		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	11/01/2023	

Batch R338638		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		0.31	0.3045	0	103.1	90	110	11/01/2023	

Batch R338638		SampType: MS		Units mg/L							
SampID: 23101244-017AMS											
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	100.6	85	115	11/01/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch	R338638	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23101244-017AMSD											
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	98.4	0.5030	2.21	11/01/2023	

Batch	R338694	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	11/02/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	11/02/2023	

Batch	R338694	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	97.5	90	110	11/02/2023	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.2	90	110	11/02/2023	

Batch	R338694	SampType:	MS	Units mg/L							
SampID: 23101244-001AMS											
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	106.4	85	115	11/02/2023	

Batch	R338694	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23101244-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	107.0	0.5320	0.56	11/02/2023	

Batch	R338752	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	11/03/2023	

Batch	R338752	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	96.9	90	110	11/03/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch R338752		SampType: MS		Units mg/L							Date
SampID: 23101244-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	85	115		11/03/2023

Batch R338752		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 23101244-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.8	0.5070	1.37		11/03/2023

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

Batch R338606		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050							11/01/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100		11/01/2023

Batch R338606		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.497	0.5000	0	99.4	90	110		11/01/2023

Batch R338606		SampType: MS		Units mg/L							Date
SampID: 23101244-017AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.25	1.250	2.907	107.6	85	115		11/01/2023

Batch R338606		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 23101244-017AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.19	1.250	2.907	102.9	4.252	1.40		11/01/2023

Batch R338700		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050							11/02/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100		11/02/2023



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch R338700		SampType: LCS		Units mg/L							Date Analyzed
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		0.495	0.5000	0	99.0	90	110	11/02/2023	

Batch R338700		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.267	0.2500	0.03200	94.0	85	115	11/02/2023	

Batch R338700		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.254	0.2500	0.03200	88.8	0.2670	4.99	11/02/2023		

Batch R338774		SampType: MBLK		Units mg/L							Date Analyzed
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						11/03/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	11/03/2023	

Batch R338774		SampType: LCS		Units mg/L							Date Analyzed
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		0.502	0.5000	0	100.4	90	110	11/03/2023	

Batch R338774		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-023AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.248	0.2500	0.01900	91.6	85	115	11/03/2023	

Batch R338774		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-023AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.254	0.2500	0.01900	94.0	0.2480	2.39	11/03/2023		



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9036 (DISSOLVED)

Batch R338641		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		172	100.0	84.88	87.3	85	115	11/01/2023	

Batch R338641		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-017BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		174	100.0	84.88	89.3	172.2	1.18	11/01/2023		

Batch R338917		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	E	251	100.0	157.2	94.1	85	115	11/07/2023	

Batch R338917		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		244	100.0	157.2	87.1	251.2	2.82	11/07/2023		

Batch R338917		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	E	268	100.0	178.7	89.4	85	115	11/07/2023	

Batch R338917		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-012BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50	E	269	100.0	178.7	90.5	268.1	0.41	11/07/2023		

SW-846 9036 (TOTAL)

Batch R338641		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	11/01/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9036 (TOTAL)

Batch R338641		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	99.4	90	110	11/01/2023	

Batch R338709		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	11/02/2023	

Batch R338709		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		21	20.00	0	103.4	90	110	11/02/2023	

Batch R338709		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-036AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		212	100.0	111.9	100.5	85	115	11/02/2023	

Batch R338709		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-036AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		210	100.0	111.9	98.1	212.3	1.10	11/02/2023		

Batch R338804		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	11/03/2023	

Batch R338804		SampType: MBLK		Units mg/Kg							Date Analyzed
SampID: MB-R338804											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	61.40	0	0	-100	100	11/03/2023	

Batch R338804		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	101.2	90	110	11/03/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9036 (TOTAL)

Batch R338804		SampType: LCS		Units mg/Kg							Date Analyzed
SampID: LCS-R338804											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	101.2	90	110	11/03/2023	

Batch R338917		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	11/07/2023	

Batch R338917		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	98.6	90	110	11/07/2023	

Batch R338917		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-012AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	SE	259	100.0	174.4	84.8	85	115	11/07/2023	

Batch R338917		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-012AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50	SE	258	100.0	174.4	83.6	259.2	0.44	11/07/2023		

Batch R338917		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-028AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100	S	294	200.0	133.8	80.1	85	115	11/07/2023	

Batch R338917		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23101244-028AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100	S	297	200.0	133.8	81.7	294.0	1.13	11/07/2023		

Batch R339002		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	11/08/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9036 (TOTAL)

Batch R339002		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	98.0	90	110	11/08/2023	

SW-846 9214 (TOTAL)

Batch R338960		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	11/08/2023	

Batch R338960		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.01	1.000	0	100.5	90	110	11/08/2023	

Batch R338960		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.2970	107.6	75	125	11/08/2023	

Batch R338960		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-005AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.43	2.000	0.2970	106.8	2.448	0.57	11/08/2023		

Batch R338960		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		5.65	2.000	3.298	117.8	75	125	11/08/2023	

Batch R338960		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-021AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		5.57	2.000	3.298	113.6	5.654	1.51	11/08/2023		



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9214 (TOTAL)

Batch R338960		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-024AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.73	2.000	1.340	119.3	75	125	11/08/2023	

Batch R338960		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-024AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		3.73	2.000	1.340	119.6	3.726	0.16	11/08/2023		

Batch R338960		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-038AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.1750	109.6	75	125	11/08/2023	

Batch R338960		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-038AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.35	2.000	0.1750	108.9	2.367	0.59	11/08/2023		

Batch R338960		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		4.20	2.000	1.882	115.6	75	125	11/08/2023	

Batch R338960		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-044AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		4.20	2.000	1.882	116.0	4.195	0.19	11/08/2023		

Batch R339043		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	11/09/2023	

Batch R339043		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.01	1.000	0	101.4	90	110	11/09/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9214 (TOTAL)

Batch R339043		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		1.00		30.5	20.00	9.630	104.5	75	125	11/09/2023	

Batch R339043		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-031AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		1.00		32.1	20.00	9.630	112.5	30.53	5.11	11/09/2023		

SW-846 9251 (DISSOLVED)

Batch R338688		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		35	20.00	17.50	87.4	85	115	11/01/2023	

Batch R338688		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-017BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		35	20.00	17.50	87.9	34.99	0.26	11/01/2023		

Batch R338951		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		31	20.00	13.02	87.7	85	115	11/07/2023	

Batch R338951		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23101244-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		31	20.00	13.02	87.6	30.56	0.03	11/07/2023		

Batch R338951		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		115	100.0	23.22	91.6	85	115	11/07/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9251 (DISSOLVED)

Batch R338951		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23101244-012BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		117	100.0	23.22	93.5	114.8	1.59	11/07/2023	

SW-846 9251 (TOTAL)

Batch R338688		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	11/01/2023	

Batch R338688		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214041											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	4		< 4	0.5000	0	0	-100	100	11/02/2023	

Batch R338688		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.0	90	110	11/01/2023	

Batch R338688		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-036AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	7.030	96.8	85	115	11/01/2023	

Batch R338688		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23101244-036AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		26	20.00	7.030	94.3	26.38	1.91	11/01/2023	

Batch R338744		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	11/02/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9251 (TOTAL)

Batch R338744		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	106.0	90	110	11/02/2023	

Batch R338809		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	11/03/2023	

Batch R338809		SampType: MBLK		Units mg/L							
SampID: MBLK-214171											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	4		< 4	0.5000	0	0	-100	100	11/03/2023	

Batch R338809		SampType: MBLK		Units mg/Kg							
SampID: MB-R338809											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	4		< 4	0.5000	0	0	-100	100	11/03/2023	

Batch R338809		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	100.7	90	110	11/03/2023	

Batch R338809		SampType: LCS		Units mg/Kg							
SampID: LCS-R338809											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	4		20	20.00	0	100.7	90	110	11/03/2023	

Batch R338809		SampType: MS		Units mg/L							
SampID: 23101244-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		45	20.00	27.98	86.8	85	115	11/03/2023	

Batch R338809		SampType: MSD		Units mg/L							
SampID: 23101244-018AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		45	20.00	27.98	86.7	45.35	0.07	11/03/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 9251 (TOTAL)

Batch R338951		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	11/07/2023	

Batch R338951		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.2	90	110	11/07/2023	

Batch R338951		SampType: MS		Units mg/L							
SampID: 23101244-012AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		115	100.0	22.02	92.5	85	115	11/07/2023	

Batch R338951		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23101244-012AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		20		114	100.0	22.02	92.3	114.5	0.15	11/07/2023		

Batch R338951		SampType: MS		Units mg/L							
SampID: 23101244-028AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		255	200.0	72.03	91.5	85	115	11/07/2023	

Batch R338951		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23101244-028AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		40		253	200.0	72.03	90.3	254.9	0.89	11/07/2023		

Batch R339009		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	11/08/2023	

Batch R339009		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	104.4	90	110	11/08/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214080		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214080											
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	11/02/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/02/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/02/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/02/2023	

Batch 214080		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214080											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.43	2.500	0	97.3	85	115	11/02/2023	
Magnesium		0.0500		2.29	2.500	0	91.5	85	115	11/02/2023	
Potassium		0.100		2.47	2.500	0	98.9	85	115	11/02/2023	
Sodium		0.0500		2.31	2.500	0	92.4	85	115	11/02/2023	

Batch 214080		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-016CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	94.6	2.500	93.27	51.6	75	125	11/02/2023	
Magnesium		0.0500		48.3	2.500	46.42	75.9	75	125	11/02/2023	
Potassium		0.100		6.30	2.500	3.776	101.1	75	125	11/02/2023	
Sodium		0.0500		243	2.500	240.8	106.4	75	125	11/02/2023	

Batch 214080		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-016CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	96.8	2.500	93.27	140.4	94.56	2.32	11/02/2023		
Magnesium		0.0500	S	49.6	2.500	46.42	128.3	48.32	2.68	11/02/2023		
Potassium		0.100		6.29	2.500	3.776	100.4	6.303	0.25	11/02/2023		
Sodium		0.0500	S	245	2.500	240.8	167.6	243.4	0.63	11/02/2023		

Batch 214174		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214174											
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	11/06/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214174 SampType: LCS Units mg/L
SampID: LCS-214174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.41	2.500	0	96.5	85	115	11/06/2023
Magnesium		0.0500		2.35	2.500	0	93.9	85	115	11/06/2023
Potassium		0.100		2.39	2.500	0	95.4	85	115	11/06/2023
Sodium		0.0500		2.15	2.500	0	86.0	85	115	11/06/2023

Batch 214174 SampType: MS Units mg/L
SampID: 23101244-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		14.1	2.500	11.30	113.2	75	125	11/09/2023
Magnesium		0.0500		8.27	2.500	5.800	98.9	75	125	11/09/2023
Sodium		0.0500	S	1330	2.500	1318	320.0	75	125	11/09/2023

Batch 214174 SampType: MSD Units mg/L
SampID: 23101244-019BMSSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		14.1	2.500	11.30	112.4	14.13	0.14	11/09/2023
Magnesium		0.0500		8.26	2.500	5.800	98.4	8.273	0.16	11/09/2023
Sodium		0.0500	S	1330	2.500	1318	520.0	1326	0.38	11/09/2023

Batch 214197 SampType: MS Units mg/L
SampID: 23101244-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	210	2.500	206.1	144.0	75	125	11/09/2023
Magnesium		0.0500	S	137	2.500	134.9	68.0	75	125	11/09/2023
Potassium		0.100		3.69	2.500	0.8057	115.4	75	125	11/09/2023
Sodium		0.0500	S	107	2.500	102.0	212.0	75	125	11/09/2023

Batch 214197 SampType: MSD Units mg/L
SampID: 23101244-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	213	2.500	206.1	268.0	209.7	1.47	11/09/2023
Magnesium		0.0500		138	2.500	134.9	112.0	136.6	0.80	11/09/2023
Potassium		0.100		3.82	2.500	0.8057	120.6	3.690	3.46	11/09/2023
Sodium		0.0500	S	112	2.500	102.0	392.0	107.3	4.11	11/09/2023



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214197		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-006CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		54.6	2.500	52.27	95.2	75	125	11/09/2023	
Magnesium		0.0500		23.3	2.500	20.77	100.4	75	125	11/09/2023	
Potassium		0.100		2.81	2.500	0.09940	108.5	75	125	11/09/2023	
Sodium		0.0500	S	58.6	2.500	56.97	65.6	75	125	11/09/2023	

Batch 214197		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-006CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100		54.5	2.500	52.27	90.0	54.65	0.24	11/09/2023		
Magnesium		0.0500		22.8	2.500	20.77	79.2	23.28	2.30	11/09/2023		
Potassium		0.100		2.76	2.500	0.09940	106.5	2.812	1.83	11/09/2023		
Sodium		0.0500	S	58.0	2.500	56.97	41.2	58.61	1.05	11/09/2023		

Batch 214219		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214219											
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	11/07/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/07/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/07/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/07/2023	

Batch 214219		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214219											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.55	2.500	0	102.1	85	115	11/07/2023	
Magnesium		0.0500		2.37	2.500	0	94.9	85	115	11/07/2023	
Potassium		0.100		2.58	2.500	0	103.3	85	115	11/07/2023	
Sodium		0.0500		2.48	2.500	0	99.3	85	115	11/07/2023	

Batch 214219		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-012CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		73.6	2.500	70.85	109.2	75	125	11/07/2023	
Magnesium		0.0500		5.20	2.500	2.821	95.1	75	125	11/07/2023	
Potassium		0.100		3.88	2.500	1.308	103.0	75	125	11/07/2023	
Sodium		0.0500		41.5	2.500	39.15	93.2	75	125	11/07/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214219		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23101244-012CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	74.2	2.500	70.85	134.8	73.58	0.87	11/07/2023	
Magnesium		0.0500		5.24	2.500	2.821	97.0	5.199	0.87	11/07/2023	
Potassium		0.100		3.91	2.500	1.308	103.9	3.884	0.58	11/07/2023	
Sodium		0.0500		41.4	2.500	39.15	91.2	41.48	0.12	11/07/2023	

Batch 214219		SampType: MS		Units mg/L				RPD Limit 20			
SampID: 23101244-014CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		4.41	2.500	1.893	100.6	75	125	11/07/2023	
Magnesium		0.0500		2.44	2.500	0.04030	95.8	75	125	11/07/2023	
Potassium		0.100		3.51	2.500	0.9211	103.4	75	125	11/07/2023	
Sodium		0.0500	S	98.7	2.500	97.17	62.8	75	125	11/07/2023	

Batch 214219		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23101244-014CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		4.41	2.500	1.893	100.7	4.408	0.06	11/07/2023	
Magnesium		0.0500		2.43	2.500	0.04030	95.5	2.436	0.31	11/07/2023	
Potassium		0.100		3.47	2.500	0.9211	102.0	3.506	0.99	11/07/2023	
Sodium		0.0500	S	97.8	2.500	97.17	23.2	98.74	1.01	11/07/2023	

Batch 214220		SampType: MBLK		Units mg/L				RPD Limit 20			
SampID: MBLK-214220											
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	11/06/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2023	

Batch 214220		SampType: LCS		Units mg/L				RPD Limit 20			
SampID: LCS-214220											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.74	2.500	0	109.7	85	115	11/06/2023	
Magnesium		0.0500		2.45	2.500	0	98.0	85	115	11/06/2023	
Potassium		0.100		2.67	2.500	0	106.7	85	115	11/06/2023	
Sodium		0.0500		2.57	2.500	0	102.7	85	115	11/06/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214220		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		15.5	2.500	12.94	103.2	75	125	11/06/2023	
Magnesium		0.0500		10.3	2.500	7.799	99.3	75	125	11/06/2023	
Potassium		0.100		5.44	2.500	2.832	104.2	75	125	11/06/2023	
Sodium		0.0500	S	267	2.500	269.8	-124.0	75	125	11/06/2023	

Batch 214220		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-018BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100		14.9	2.500	12.94	80.0	15.52	3.81	11/06/2023		
Magnesium		0.0500		9.84	2.500	7.799	81.8	10.28	4.36	11/06/2023		
Potassium		0.100		5.36	2.500	2.832	101.1	5.436	1.42	11/06/2023		
Sodium		0.0500	S	263	2.500	269.8	-282.0	266.7	1.49	11/06/2023		

Batch 214220		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	177	2.500	176.5	6.4	75	125	11/06/2023	
Magnesium		0.0500	S	85.7	2.500	84.28	55.9	75	125	11/06/2023	
Potassium		0.100		7.01	2.500	4.385	104.9	75	125	11/06/2023	
Sodium		0.0500		65.7	2.500	63.44	89.2	75	125	11/06/2023	

Batch 214220		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-020BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	175	2.500	176.5	-58.0	176.7	0.92	11/06/2023		
Magnesium		0.0500	S	85.0	2.500	84.28	28.9	85.68	0.79	11/06/2023		
Potassium		0.100		6.95	2.500	4.385	102.6	7.008	0.83	11/06/2023		
Sodium		0.0500		65.4	2.500	63.44	79.2	65.67	0.38	11/06/2023		

Batch 214221		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214221											
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	11/07/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/07/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/07/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/07/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214221 SampType: LCS Units mg/L

SampID: LCS-214221

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.55	2.500	0	102.0	85	115	11/07/2023
Magnesium		0.0500		2.50	2.500	0	100.1	85	115	11/07/2023
Potassium		0.100		2.45	2.500	0	97.8	85	115	11/07/2023
Sodium		0.0500		2.30	2.500	0	92.2	85	115	11/07/2023

Batch 214221 SampType: MS Units mg/L

SampID: 23101244-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		8.82	2.500	6.897	77.0	75	125	11/09/2023
Magnesium		0.0500		5.42	2.500	3.344	83.2	75	125	11/09/2023
Potassium		0.100		4.38	2.500	1.660	108.7	75	125	11/09/2023
Sodium		0.0500	S	554	2.500	572.2	-712.0	75	125	11/09/2023

Batch 214221 SampType: MSD Units mg/L

SampID: 23101244-021BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		8.82	2.500	6.897	76.9	8.823	0.05	11/09/2023
Magnesium		0.0500		5.41	2.500	3.344	82.7	5.424	0.24	11/09/2023
Potassium		0.100		4.35	2.500	1.660	107.7	4.378	0.60	11/09/2023
Sodium		0.0500	S	552	2.500	572.2	-796.0	554.4	0.38	11/09/2023

Batch 214221 SampType: MS Units mg/L

SampID: 23101244-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		43.9	2.500	41.14	111.6	75	125	11/09/2023
Magnesium		0.0500		25.5	2.500	23.10	94.4	75	125	11/09/2023
Potassium		0.100	S	9.44	2.500	6.315	125.1	75	125	11/09/2023
Sodium		0.0500	S	1200	2.500	1195	360.0	75	125	11/09/2023

Batch 214221 SampType: MSD Units mg/L

SampID: 23101244-022BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	45.0	2.500	41.14	154.4	43.93	2.41	11/09/2023
Magnesium		0.0500		26.0	2.500	23.10	114.8	25.46	1.98	11/09/2023
Potassium		0.100	S	9.61	2.500	6.315	131.8	9.443	1.74	11/09/2023
Sodium		0.0500	S	1240	2.500	1195	1760	1204	2.87	11/09/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214222		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214222											
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	11/06/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/07/2023	

Batch 214222		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214222											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.48	2.500	0	99.1	85	115	11/06/2023	
Magnesium		0.0500		2.38	2.500	0	95.0	85	115	11/06/2023	
Potassium		0.100		2.37	2.500	0	94.8	85	115	11/06/2023	
Sodium		0.0500		2.38	2.500	0	95.2	85	115	11/07/2023	

Batch 214222		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	53.0	2.500	48.96	161.6	75	125	11/09/2023	
Magnesium		0.0500		7.87	2.500	5.327	101.8	75	125	11/09/2023	
Sodium		0.0500	S	93.0	2.500	85.09	315.6	75	125	11/09/2023	

Batch 214222		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-015CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	52.8	2.500	48.96	152.8	53.00	0.42	11/09/2023		
Magnesium		0.0500		7.88	2.500	5.327	101.9	7.872	0.04	11/09/2023		
Sodium		0.0500	S	90.5	2.500	85.09	214.8	92.98	2.75	11/09/2023		

Batch 214222		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-023BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		13.2	2.500	10.66	102.4	75	125	11/09/2023	
Magnesium		0.0500		8.35	2.500	5.964	95.3	75	125	11/09/2023	
Potassium		0.100		5.63	2.500	2.728	116.1	75	125	11/09/2023	
Sodium		0.0500	S	409	2.500	414.7	-236.0	75	125	11/09/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214222		SampType: MSD		Units mg/L				RPD Limit 20			Date
SampID: 23101244-023BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Calcium		0.100		13.2	2.500	10.66	100.0	13.22	0.45	11/09/2023	
Magnesium		0.0500		8.31	2.500	5.964	93.8	8.346	0.46	11/09/2023	
Potassium		0.100		5.62	2.500	2.728	115.5	5.630	0.27	11/09/2023	
Sodium		0.0500	S	406	2.500	414.7	-344.0	408.8	0.66	11/09/2023	

Batch 214228		SampType: MBLK		Units mg/L						Date
SampID: MBLK-214228										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/08/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/08/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/08/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/08/2023

Batch 214228		SampType: LCS		Units mg/L						Date
SampID: LCS-214228										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.60	2.500	0	104.0	85	115	11/08/2023
Magnesium		0.0500		2.36	2.500	0	94.2	85	115	11/08/2023
Potassium		0.100		2.57	2.500	0	102.7	85	115	11/08/2023
Sodium		0.0500		2.46	2.500	0	98.4	85	115	11/08/2023

Batch 214228		SampType: MS		Units mg/L						Date
SampID: 23101244-028BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100	S	74.7	2.500	74.01	26.4	75	125	11/08/2023
Magnesium		0.0500	S	36.4	2.500	34.81	62.7	75	125	11/08/2023
Potassium		0.100		6.48	2.500	3.994	99.3	75	125	11/08/2023
Sodium		0.0500	S	144	2.500	143.1	20.8	75	125	11/08/2023

Batch 214228		SampType: MSD		Units mg/L				RPD Limit 20			Date
SampID: 23101244-028BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Calcium		0.100		76.2	2.500	74.01	86.8	74.67	2.00	11/08/2023	
Magnesium		0.0500		37.1	2.500	34.81	89.9	36.38	1.85	11/08/2023	
Potassium		0.100		6.50	2.500	3.994	100.1	6.476	0.30	11/08/2023	
Sodium		0.0500		145	2.500	143.1	90.0	143.6	1.20	11/08/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214378		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214378											
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	11/09/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/09/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/09/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/09/2023	

Batch 214378		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214378											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.55	2.500	0	102.1	85	115	11/09/2023	
Magnesium		0.0500		2.41	2.500	0	96.6	85	115	11/09/2023	
Potassium		0.100		2.50	2.500	0	99.8	85	115	11/09/2023	
Sodium		0.0500		2.45	2.500	0	97.9	85	115	11/09/2023	

Batch 214481		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214481											
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	11/10/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/10/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/10/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/10/2023	

Batch 214481		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.56	2.500	0	102.4	85	115	11/10/2023	
Magnesium		0.0500		2.36	2.500	0	94.3	85	115	11/10/2023	
Potassium		0.100		2.68	2.500	0	107.1	85	115	11/10/2023	
Sodium		0.0500		2.56	2.500	0	102.3	85	115	11/10/2023	

Batch 214495		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214495											
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	11/13/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/13/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/13/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/13/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214495		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214495											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.68	2.500	0	107.4	85	115	11/13/2023	
Magnesium		0.0500		2.45	2.500	0	98.0	85	115	11/13/2023	
Potassium		0.100		2.65	2.500	0	105.9	85	115	11/13/2023	
Sodium		0.0500		2.56	2.500	0	102.5	85	115	11/13/2023	

Batch 214495		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Potassium		0.100		7.39	2.500	4.814	103.2	75	125	11/13/2023	

Batch 214495		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-015CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Potassium		0.100		7.45	2.500	4.814	105.4	7.393	0.75	11/13/2023		

Batch 214495		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Potassium		0.100	S	7.08	2.500	3.902	127.2	75	125	11/13/2023	

Batch 214495		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-019BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Potassium		0.100	S	7.10	2.500	3.902	128.1	7.081	0.34	11/13/2023		

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

Batch 214274		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214274											
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	11/08/2023	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/08/2023	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/09/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214274 SampType: LCS Units mg/L

SampID: LCS-214274

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.442	0.5000	0	88.5	80	120	11/08/2023
Iron		0.0250		2.00	2.000	0	100.0	80	120	11/08/2023
Manganese		0.0020		0.471	0.5000	0	94.2	80	120	11/09/2023

Batch 214274 SampType: MS Units mg/L

SampID: 23101244-017DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		1.03	0.5000	0.5771	89.8	75	125	11/09/2023
Iron		0.0250		1.87	2.000	0.03105	92.0	75	125	11/09/2023
Manganese		0.0020		0.458	0.5000	0.01232	89.2	75	125	11/09/2023

Batch 214274 SampType: MSD Units mg/L

RPD Limit 20

SampID: 23101244-017DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		1.04	0.5000	0.5771	92.1	1.026	1.13	11/09/2023
Iron		0.0250		1.90	2.000	0.03105	93.7	1.870	1.83	11/09/2023
Manganese		0.0020		0.470	0.5000	0.01232	91.6	0.4584	2.53	11/09/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214080		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214080											
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	11/02/2023	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/02/2023	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/02/2023	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/02/2023	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/02/2023	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/02/2023	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/02/2023	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/02/2023	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/03/2023	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/02/2023	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/02/2023	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/02/2023	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/02/2023	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/02/2023	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/02/2023	

Batch 214080		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214080											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.557	0.5000	0	111.4	80	120	11/03/2023	
Arsenic		0.0010		0.528	0.5000	0	105.6	80	120	11/02/2023	
Barium		0.0010		2.06	2.000	0	103.1	80	120	11/02/2023	
Beryllium		0.0010		0.0482	0.0500	0	96.4	80	120	11/02/2023	
Boron		0.0250		0.505	0.5000	0	101.0	80	120	11/02/2023	
Cadmium		0.0010		0.0497	0.0500	0	99.5	80	120	11/02/2023	
Chromium		0.0015		0.202	0.2000	0	101.1	80	120	11/02/2023	
Cobalt		0.0010		0.519	0.5000	0	103.7	80	120	11/02/2023	
Iron		0.0250		2.10	2.000	0	105.0	80	120	11/03/2023	
Lead		0.0010		0.490	0.5000	0	98.1	80	120	11/02/2023	
Lithium	*	0.0030		0.491	0.5000	0	98.3	80	120	11/02/2023	
Manganese		0.0020		0.493	0.5000	0	98.6	80	120	11/02/2023	
Molybdenum		0.0015		0.475	0.5000	0	94.9	80	120	11/02/2023	
Selenium		0.0010		0.516	0.5000	0	103.1	80	120	11/02/2023	
Thallium		0.0020		0.237	0.2500	0	94.7	80	120	11/02/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214080		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-016CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.542	0.5000	0	108.4	75	125	11/03/2023	
Arsenic		0.0010		0.547	0.5000	0	109.4	75	125	11/03/2023	
Barium		0.0010		2.23	2.000	0.1217	105.2	75	125	11/03/2023	
Beryllium		0.0010		0.0508	0.0500	0	101.5	75	125	11/03/2023	
Boron		0.0250	S	2.67	0.5000	2.765	-18.4	75	125	11/03/2023	
Cadmium		0.0010		0.0523	0.0500	0	104.5	75	125	11/03/2023	
Chromium		0.0015		0.208	0.2000	0	103.9	75	125	11/03/2023	
Cobalt		0.0010		0.524	0.5000	0	104.9	75	125	11/03/2023	
Iron		0.0250		2.58	2.000	0.4592	106.0	75	125	11/07/2023	
Lead		0.0010		0.509	0.5000	0.0007091	101.6	75	125	11/03/2023	
Lithium	*	0.0030		0.621	0.5000	0.1127	101.7	75	125	11/03/2023	
Manganese		0.0020		0.510	0.5000	0.01624	98.7	75	125	11/03/2023	
Molybdenum		0.0015		0.522	0.5000	0	104.5	75	125	11/03/2023	
Selenium		0.0010		0.535	0.5000	0	107.0	75	125	11/03/2023	
Thallium		0.0020		0.250	0.2500	0	100.1	75	125	11/03/2023	

Batch 214080		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-016CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.531	0.5000	0	106.3	0.5420	1.98	11/03/2023		
Arsenic		0.0010		0.548	0.5000	0	109.6	0.5468	0.22	11/03/2023		
Barium		0.0010		2.21	2.000	0.1217	104.5	2.227	0.71	11/03/2023		
Beryllium		0.0010		0.0501	0.0500	0	100.2	0.05075	1.33	11/03/2023		
Boron		0.0250	S	2.65	0.5000	2.765	-23.4	2.673	0.93	11/03/2023		
Cadmium		0.0010		0.0503	0.0500	0	100.7	0.05226	3.76	11/03/2023		
Chromium		0.0015		0.204	0.2000	0	102.2	0.2078	1.68	11/03/2023		
Cobalt		0.0010		0.515	0.5000	0	103.0	0.5244	1.81	11/03/2023		
Iron		0.0250		2.68	2.000	0.4592	110.9	2.579	3.74	11/07/2023		
Lead		0.0010		0.511	0.5000	0.0007091	102.0	0.5087	0.39	11/03/2023		
Lithium	*	0.0030		0.605	0.5000	0.1127	98.5	0.6213	2.59	11/03/2023		
Manganese		0.0020		0.505	0.5000	0.01624	97.8	0.5099	0.97	11/03/2023		
Molybdenum		0.0015		0.516	0.5000	0	103.2	0.5224	1.25	11/03/2023		
Selenium		0.0010		0.532	0.5000	0	106.4	0.5349	0.52	11/03/2023		
Thallium		0.0020		0.255	0.2500	0	102.0	0.2502	1.89	11/03/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214174 SampType: MBLK Units mg/L
SampID: MBLK-214174

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	11/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/07/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/07/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/07/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/07/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/07/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/07/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/07/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/07/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/07/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214174 SampType: LCS Units mg/L
SampID: LCS-214174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.535	0.5000	0	107.1	80	120	11/07/2023
Arsenic		0.0010		0.549	0.5000	0	109.9	80	120	11/07/2023
Barium		0.0010		2.09	2.000	0	104.4	80	120	11/07/2023
Beryllium		0.0010		0.0503	0.0500	0	100.6	80	120	11/07/2023
Boron		0.0250		0.512	0.5000	0	102.4	80	120	11/07/2023
Cadmium		0.0010		0.0522	0.0500	0	104.4	80	120	11/07/2023
Chromium		0.0015		0.206	0.2000	0	102.9	80	120	11/07/2023
Cobalt		0.0010		0.528	0.5000	0	105.6	80	120	11/07/2023
Iron		0.0250		1.96	2.000	0	98.0	80	120	11/07/2023
Lead		0.0010		0.493	0.5000	0	98.6	80	120	11/06/2023
Lithium	*	0.0030		0.500	0.5000	0	100.1	80	120	11/07/2023
Manganese		0.0020		0.513	0.5000	0	102.6	80	120	11/07/2023
Molybdenum		0.0015		0.498	0.5000	0	99.7	80	120	11/07/2023
Selenium		0.0010		0.547	0.5000	0	109.4	80	120	11/07/2023
Thallium		0.0020		0.254	0.2500	0	101.5	80	120	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214174 SampType: MS Units mg/L

SampleID: 23101244-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.594	0.5000	0	118.7	75	125	11/09/2023
Arsenic		0.0010		0.573	0.5000	0.005073	113.6	75	125	11/09/2023
Barium		0.0010		2.31	2.000	0.1617	107.5	75	125	11/09/2023
Beryllium		0.0010		0.0517	0.0500	0	103.5	75	125	11/09/2023
Boron		0.0250		1.91	0.5000	1.376	105.8	75	125	11/09/2023
Cadmium		0.0010		0.0552	0.0500	0	110.4	75	125	11/09/2023
Chromium		0.0015		0.205	0.2000	0	102.5	75	125	11/09/2023
Cobalt		0.0010		0.510	0.5000	0	102.0	75	125	11/09/2023
Lead		0.0010		0.576	0.5000	0.01618	111.9	75	125	11/09/2023
Lithium	*	0.0030		0.595	0.5000	0.09205	100.7	75	125	11/09/2023
Molybdenum		0.0015		0.560	0.5000	0.01311	109.3	75	125	11/09/2023
Selenium		0.0010		0.534	0.5000	0	106.9	75	125	11/09/2023
Thallium		0.0020		0.236	0.2500	0	94.4	75	125	11/07/2023

Batch 214174 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 23101244-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.597	0.5000	0	119.4	0.5937	0.57	11/09/2023
Arsenic		0.0010		0.576	0.5000	0.005073	114.1	0.5733	0.43	11/09/2023
Barium		0.0010		2.30	2.000	0.1617	107.0	2.312	0.41	11/09/2023
Beryllium		0.0010		0.0521	0.0500	0	104.2	0.05173	0.73	11/09/2023
Boron		0.0250		1.82	0.5000	1.376	88.9	1.906	4.55	11/09/2023
Cadmium		0.0010		0.0563	0.0500	0	112.7	0.05518	2.08	11/09/2023
Chromium		0.0015		0.200	0.2000	0	100.0	0.2051	2.52	11/09/2023
Cobalt		0.0010		0.510	0.5000	0	101.9	0.5099	0.05	11/09/2023
Lead		0.0010		0.562	0.5000	0.01618	109.1	0.5759	2.47	11/09/2023
Lithium	*	0.0030		0.597	0.5000	0.09205	101.1	0.5954	0.36	11/09/2023
Molybdenum		0.0015		0.570	0.5000	0.01311	111.5	0.5595	1.92	11/09/2023
Selenium		0.0010		0.551	0.5000	0	110.2	0.5345	3.06	11/09/2023
Thallium		0.0020		0.227	0.2500	0	90.6	0.2360	4.09	11/07/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214197 SampType: MBLK Units mg/L
SampID: MBLK-214197

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	11/06/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/06/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/06/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/07/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/07/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/06/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/07/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/07/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/07/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/07/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/06/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214197 SampType: LCS Units mg/L
SampID: LCS-214197

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.525	0.5000	0	105.1	80	120	11/06/2023
Arsenic		0.0010		0.542	0.5000	0	108.5	80	120	11/07/2023
Barium		0.0010		2.08	2.000	0	103.9	80	120	11/06/2023
Beryllium		0.0010		0.0500	0.0500	0	100.0	80	120	11/07/2023
Boron		0.0250		0.515	0.5000	0	102.9	80	120	11/07/2023
Cadmium		0.0010		0.0517	0.0500	0	103.4	80	120	11/07/2023
Chromium		0.0015		0.209	0.2000	0	104.4	80	120	11/07/2023
Cobalt		0.0010		0.525	0.5000	0	105.1	80	120	11/07/2023
Iron		0.0250		1.96	2.000	0	97.9	80	120	11/07/2023
Lead		0.0010		0.486	0.5000	0	97.1	80	120	11/06/2023
Lithium	*	0.0030		0.499	0.5000	0	99.8	80	120	11/07/2023
Manganese		0.0020		0.506	0.5000	0	101.2	80	120	11/07/2023
Molybdenum		0.0015		0.492	0.5000	0	98.4	80	120	11/07/2023
Selenium		0.0010		0.536	0.5000	0	107.2	80	120	11/07/2023
Thallium		0.0020		0.248	0.2500	0	99.0	80	120	11/06/2023



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214197		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-003CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.564	0.5000	0	112.8	75	125	11/07/2023	
Arsenic		0.0010		0.543	0.5000	0.0005294	108.5	75	125	11/07/2023	
Barium		0.0010		2.17	2.000	0.01623	107.8	75	125	11/07/2023	
Beryllium		0.0010		0.0511	0.0500	0	102.1	75	125	11/07/2023	
Boron		0.0250	S	4.38	0.5000	3.589	158.8	75	125	11/07/2023	
Cadmium		0.0010		0.0521	0.0500	0	104.3	75	125	11/07/2023	
Chromium		0.0015		0.206	0.2000	0.0007481	102.7	75	125	11/07/2023	
Cobalt		0.0010		0.518	0.5000	0	103.6	75	125	11/07/2023	
Iron		0.0250		2.27	2.000	0.1568	105.4	75	125	11/07/2023	
Lead		0.0010		0.546	0.5000	0	109.1	75	125	11/07/2023	
Lithium	*	0.0030		0.557	0.5000	0.04761	101.9	75	125	11/07/2023	
Manganese		0.0020		0.505	0.5000	0.008779	99.3	75	125	11/07/2023	
Molybdenum		0.0015		0.518	0.5000	0.001826	103.2	75	125	11/07/2023	
Selenium		0.0010		0.522	0.5000	0.0008227	104.2	75	125	11/07/2023	
Thallium		0.0020		0.238	0.2500	0	95.2	75	125	11/06/2023	

Batch 214197		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-003CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.553	0.5000	0	110.5	0.5640	2.05	11/07/2023		
Arsenic		0.0010		0.550	0.5000	0.0005294	109.9	0.5432	1.22	11/07/2023		
Barium		0.0010		2.16	2.000	0.01623	107.3	2.171	0.39	11/07/2023		
Beryllium		0.0010		0.0508	0.0500	0	101.6	0.05107	0.54	11/07/2023		
Boron		0.0250	S	4.34	0.5000	3.589	149.5	4.383	1.07	11/07/2023		
Cadmium		0.0010		0.0519	0.0500	0	103.8	0.05213	0.49	11/07/2023		
Chromium		0.0015		0.205	0.2000	0.0007481	102.1	0.2062	0.58	11/07/2023		
Cobalt		0.0010		0.511	0.5000	0	102.2	0.5181	1.43	11/07/2023		
Iron		0.0250		2.19	2.000	0.1568	101.8	2.266	3.31	11/07/2023		
Lead		0.0010		0.536	0.5000	0	107.2	0.5457	1.82	11/07/2023		
Lithium	*	0.0030		0.538	0.5000	0.04761	98.0	0.5573	3.61	11/07/2023		
Manganese		0.0020		0.505	0.5000	0.008779	99.2	0.5053	0.10	11/07/2023		
Molybdenum		0.0015		0.524	0.5000	0.001826	104.4	0.5179	1.18	11/07/2023		
Selenium		0.0010		0.533	0.5000	0.0008227	106.5	0.5216	2.18	11/07/2023		
Thallium		0.0020		0.241	0.2500	0	96.4	0.2381	1.20	11/07/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214197		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-006CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.558	0.5000	0	111.6	75	125	11/07/2023	
Arsenic		0.0010		0.531	0.5000	0	106.3	75	125	11/07/2023	
Barium		0.0010		2.21	2.000	0.03350	108.6	75	125	11/07/2023	
Beryllium		0.0010		0.0507	0.0500	0	101.3	75	125	11/07/2023	
Boron		0.0250		0.549	0.5000	0.02281	105.2	75	125	11/07/2023	
Cadmium		0.0010		0.0530	0.0500	0	105.9	75	125	11/07/2023	
Chromium		0.0015		0.208	0.2000	0.001058	103.5	75	125	11/07/2023	
Cobalt		0.0010		0.516	0.5000	0.0001287	103.1	75	125	11/07/2023	
Iron		0.0250		2.40	2.000	0.2426	108.0	75	125	11/07/2023	
Lead		0.0010		0.534	0.5000	0	106.8	75	125	11/07/2023	
Lithium	*	0.0030		0.511	0.5000	0.003717	101.5	75	125	11/07/2023	
Manganese		0.0020		0.517	0.5000	0.01137	101.1	75	125	11/07/2023	
Molybdenum		0.0015		0.501	0.5000	0	100.1	75	125	11/07/2023	
Selenium		0.0010		0.534	0.5000	0.002433	106.2	75	125	11/07/2023	
Thallium		0.0020		0.251	0.2500	0	100.6	75	125	11/07/2023	

Batch 214197		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-006CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.541	0.5000	0	108.2	0.5581	3.12	11/07/2023		
Arsenic		0.0010		0.590	0.5000	0	118.1	0.5313	10.53	11/07/2023		
Barium		0.0010		2.14	2.000	0.03350	105.3	2.206	3.04	11/07/2023		
Beryllium		0.0010		0.0519	0.0500	0	103.8	0.05067	2.44	11/07/2023		
Boron		0.0250		0.536	0.5000	0.02281	102.6	0.5490	2.47	11/07/2023		
Cadmium		0.0010		0.0527	0.0500	0	105.5	0.05296	0.44	11/07/2023		
Chromium		0.0015		0.211	0.2000	0.001058	105.1	0.2080	1.54	11/07/2023		
Cobalt		0.0010		0.538	0.5000	0.0001287	107.6	0.5155	4.25	11/07/2023		
Iron		0.0250		2.40	2.000	0.2426	107.9	2.402	0.04	11/07/2023		
Lead		0.0010		0.523	0.5000	0	104.7	0.5340	2.03	11/07/2023		
Lithium	*	0.0030		0.498	0.5000	0.003717	98.9	0.5112	2.52	11/07/2023		
Manganese		0.0020		0.527	0.5000	0.01137	103.2	0.5168	2.05	11/07/2023		
Molybdenum		0.0015		0.522	0.5000	0	104.3	0.5005	4.12	11/07/2023		
Selenium		0.0010		0.582	0.5000	0.002433	115.9	0.5337	8.69	11/07/2023		
Thallium		0.0020		0.249	0.2500	0	99.7	0.2515	0.92	11/07/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214219 SampType: MBLK Units mg/L
SampID: MBLK-214219

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	11/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/07/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/07/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/07/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/07/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/07/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/07/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/07/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/07/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/07/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214219 SampType: LCS Units mg/L
SampID: LCS-214219

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.568	0.5000	0	113.6	80	120	11/07/2023
Arsenic		0.0010		0.539	0.5000	0	107.8	80	120	11/07/2023
Barium		0.0010		2.14	2.000	0	107.1	80	120	11/07/2023
Beryllium		0.0010		0.0511	0.0500	0	102.1	80	120	11/07/2023
Boron		0.0250		0.525	0.5000	0	105.0	80	120	11/07/2023
Cadmium		0.0010		0.0537	0.0500	0	107.5	80	120	11/07/2023
Chromium		0.0015		0.209	0.2000	0	104.3	80	120	11/07/2023
Cobalt		0.0010		0.531	0.5000	0	106.1	80	120	11/07/2023
Iron		0.0250		1.93	2.000	0	96.5	80	120	11/07/2023
Lead		0.0010		0.481	0.5000	0	96.3	80	120	11/06/2023
Lithium	*	0.0030		0.507	0.5000	0	101.4	80	120	11/07/2023
Manganese		0.0020		0.510	0.5000	0	102.0	80	120	11/07/2023
Molybdenum		0.0015		0.498	0.5000	0	99.7	80	120	11/07/2023
Selenium		0.0010		0.538	0.5000	0	107.5	80	120	11/07/2023
Thallium		0.0020		0.254	0.2500	0	101.8	80	120	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214219		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-012CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.581	0.5000	0	116.3	75	125	11/09/2023	
Arsenic		0.0010		0.571	0.5000	0	114.3	75	125	11/09/2023	
Barium		0.0010		2.26	2.000	0.1573	105.3	75	125	11/09/2023	
Beryllium		0.0010		0.0526	0.0500	0	105.1	75	125	11/09/2023	
Boron		0.0250		0.602	0.5000	0.08530	103.4	75	125	11/09/2023	
Cadmium		0.0010		0.0560	0.0500	0	111.9	75	125	11/09/2023	
Chromium		0.0015		0.206	0.2000	0.001937	102.2	75	125	11/09/2023	
Cobalt		0.0010		0.515	0.5000	0	103.0	75	125	11/09/2023	
Iron		0.0250		2.03	2.000	0.02356	100.2	75	125	11/09/2023	
Lead		0.0010		0.502	0.5000	0	100.5	75	125	11/07/2023	
Lithium	*	0.0030		0.544	0.5000	0.03277	102.3	75	125	11/09/2023	
Manganese		0.0020		0.502	0.5000	0.001381	100.1	75	125	11/09/2023	
Molybdenum		0.0015		0.519	0.5000	0.007057	102.5	75	125	11/09/2023	
Selenium		0.0010		0.560	0.5000	0	112.0	75	125	11/09/2023	
Thallium		0.0020		0.249	0.2500	0	99.6	75	125	11/07/2023	

Batch 214219		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-012CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.572	0.5000	0	114.4	0.5814	1.65	11/09/2023		
Arsenic		0.0010		0.578	0.5000	0	115.7	0.5715	1.19	11/09/2023		
Barium		0.0010		2.29	2.000	0.1573	106.5	2.264	1.02	11/09/2023		
Beryllium		0.0010		0.0503	0.0500	0	100.7	0.05256	4.33	11/09/2023		
Boron		0.0250		0.589	0.5000	0.08530	100.7	0.6024	2.26	11/09/2023		
Cadmium		0.0010		0.0559	0.0500	0	111.8	0.05596	0.08	11/09/2023		
Chromium		0.0015		0.208	0.2000	0.001937	102.8	0.2063	0.60	11/09/2023		
Cobalt		0.0010		0.519	0.5000	0	103.8	0.5151	0.74	11/09/2023		
Iron		0.0250		1.96	2.000	0.02356	96.9	2.027	3.31	11/09/2023		
Lead		0.0010		0.489	0.5000	0	97.8	0.5023	2.67	11/07/2023		
Lithium	*	0.0030		0.560	0.5000	0.03277	105.4	0.5444	2.79	11/09/2023		
Manganese		0.0020		0.510	0.5000	0.001381	101.6	0.5017	1.57	11/09/2023		
Molybdenum		0.0015		0.519	0.5000	0.007057	102.4	0.5194	0.03	11/09/2023		
Selenium		0.0010		0.565	0.5000	0	112.9	0.5601	0.81	11/09/2023		
Thallium		0.0020		0.246	0.2500	0	98.5	0.2490	1.13	11/07/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214219		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-014CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.559	0.5000	0	111.8	75	125	11/09/2023	
Arsenic		0.0010		0.552	0.5000	0.009845	108.3	75	125	11/09/2023	
Barium		0.0010		2.08	2.000	0.003466	103.8	75	125	11/09/2023	
Beryllium		0.0010		0.0520	0.0500	0	103.9	75	125	11/09/2023	
Boron		0.0250		0.920	0.5000	0.4249	99.0	75	125	11/09/2023	
Cadmium		0.0010		0.0546	0.0500	0	109.2	75	125	11/09/2023	
Chromium		0.0015		0.202	0.2000	0	100.8	75	125	11/09/2023	
Cobalt		0.0010		0.508	0.5000	0	101.5	75	125	11/09/2023	
Iron		0.0250		1.88	2.000	0.01881	93.0	75	125	11/09/2023	
Lead		0.0010		0.489	0.5000	0	97.8	75	125	11/07/2023	
Lithium	*	0.0030		0.531	0.5000	0.01990	102.3	75	125	11/09/2023	
Manganese		0.0020		0.495	0.5000	0	99.0	75	125	11/09/2023	
Molybdenum		0.0015		0.523	0.5000	0.01788	101.1	75	125	11/09/2023	
Selenium		0.0010		0.558	0.5000	0.0008322	111.5	75	125	11/09/2023	
Thallium		0.0020		0.246	0.2500	0	98.5	75	125	11/07/2023	

Batch 214219		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-014CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.578	0.5000	0	115.6	0.5591	3.31	11/09/2023		
Arsenic		0.0010		0.554	0.5000	0.009845	108.8	0.5515	0.41	11/09/2023		
Barium		0.0010		2.13	2.000	0.003466	106.2	2.080	2.28	11/09/2023		
Beryllium		0.0010		0.0521	0.0500	0	104.3	0.05197	0.32	11/09/2023		
Boron		0.0250		0.950	0.5000	0.4249	105.0	0.9199	3.19	11/09/2023		
Cadmium		0.0010		0.0562	0.0500	0	112.4	0.05458	2.95	11/09/2023		
Chromium		0.0015		0.203	0.2000	0	101.7	0.2016	0.88	11/09/2023		
Cobalt		0.0010		0.498	0.5000	0	99.7	0.5076	1.85	11/09/2023		
Iron		0.0250		1.89	2.000	0.01881	93.6	1.878	0.69	11/09/2023		
Lead		0.0010		0.479	0.5000	0	95.8	0.4889	2.07	11/07/2023		
Lithium	*	0.0030		0.524	0.5000	0.01990	100.9	0.5315	1.34	11/09/2023		
Manganese		0.0020		0.491	0.5000	0	98.2	0.4949	0.76	11/09/2023		
Molybdenum		0.0015		0.515	0.5000	0.01788	99.5	0.5233	1.57	11/09/2023		
Selenium		0.0010		0.535	0.5000	0.0008322	106.8	0.5582	4.28	11/09/2023		
Thallium		0.0020		0.243	0.2500	0	97.0	0.2462	1.51	11/07/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214220 SampType: MBLK Units mg/L

SampID: MBLK-214220

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	11/06/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/06/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/06/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/06/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/06/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/06/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/06/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/06/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/06/2023
Molybdenum		0.0015	S	0.0036	0.0006	0	607.5	-100	100	11/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214220 SampType: LCS Units mg/L

SampID: LCS-214220

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.513	0.5000	0	102.5	80	120	11/06/2023
Arsenic		0.0010		0.540	0.5000	0	108.1	80	120	11/07/2023
Barium		0.0010		2.05	2.000	0	102.4	80	120	11/06/2023
Beryllium		0.0010		0.0478	0.0500	0	95.6	80	120	11/07/2023
Boron		0.0250		0.484	0.5000	0	96.9	80	120	11/07/2023
Cadmium		0.0010		0.0528	0.0500	0	105.6	80	120	11/07/2023
Chromium		0.0015		0.204	0.2000	0	102.0	80	120	11/07/2023
Cobalt		0.0010		0.520	0.5000	0	104.0	80	120	11/07/2023
Lead		0.0010		0.484	0.5000	0	96.8	80	120	11/06/2023
Lithium	*	0.0030		0.479	0.5000	0	95.7	80	120	11/07/2023
Molybdenum		0.0015	B	0.495	0.5000	0	99.1	80	120	11/07/2023
Selenium		0.0010		0.530	0.5000	0	105.9	80	120	11/07/2023
Thallium		0.0020		0.252	0.2500	0	100.6	80	120	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214220		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.554	0.5000	0.0005893	110.7	75	125	11/06/2023	
Arsenic		0.0010		0.545	0.5000	0.0005102	108.9	75	125	11/07/2023	
Barium		0.0010		2.14	2.000	0.03816	105.1	75	125	11/06/2023	
Beryllium		0.0010		0.0503	0.0500	0	100.6	75	125	11/07/2023	
Cadmium		0.0010		0.0526	0.0500	0	105.1	75	125	11/07/2023	
Chromium		0.0015		0.202	0.2000	0	101.1	75	125	11/07/2023	
Cobalt		0.0010		0.520	0.5000	0	103.9	75	125	11/07/2023	
Lead		0.0010		0.523	0.5000	0	104.7	75	125	11/06/2023	
Lithium	*	0.0030		0.542	0.5000	0.05087	98.2	75	125	11/07/2023	
Molybdenum		0.0015	B	0.509	0.5000	0.001184	101.5	75	125	11/07/2023	
Selenium		0.0010		0.524	0.5000	0	104.8	75	125	11/07/2023	
Thallium		0.0020		0.237	0.2500	0	94.7	75	125	11/06/2023	

Batch 214220		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-018BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.547	0.5000	0.0005893	109.3	0.5543	1.30	11/06/2023		
Arsenic		0.0010		0.547	0.5000	0.0005102	109.2	0.5448	0.33	11/07/2023		
Barium		0.0010		2.12	2.000	0.03816	104.2	2.140	0.86	11/06/2023		
Beryllium		0.0010		0.0487	0.0500	0	97.3	0.05032	3.36	11/07/2023		
Cadmium		0.0010		0.0514	0.0500	0	102.8	0.05256	2.18	11/07/2023		
Chromium		0.0015		0.200	0.2000	0	100.1	0.2023	1.06	11/07/2023		
Cobalt		0.0010		0.513	0.5000	0	102.5	0.5197	1.35	11/07/2023		
Lead		0.0010		0.508	0.5000	0	101.7	0.5233	2.90	11/06/2023		
Lithium	*	0.0030		0.535	0.5000	0.05087	96.8	0.5418	1.33	11/07/2023		
Molybdenum		0.0015	B	0.522	0.5000	0.001184	104.1	0.5085	2.54	11/07/2023		
Selenium		0.0010		0.533	0.5000	0	106.7	0.5241	1.75	11/07/2023		
Thallium		0.0020		0.235	0.2500	0	94.1	0.2369	0.69	11/06/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214220 SampType: MS Units mg/L

SampID: 23101244-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.545	0.5000	0.0006139	108.9	75	125	11/06/2023
Arsenic		0.0010		0.555	0.5000	0.0004317	110.9	75	125	11/07/2023
Barium		0.0010		2.14	2.000	0.05467	104.4	75	125	11/06/2023
Beryllium		0.0010		0.0507	0.0500	0	101.3	75	125	11/07/2023
Boron		0.0250		2.43	0.5000	1.808	124.1	75	125	11/07/2023
Cadmium		0.0010		0.0513	0.0500	0	102.7	75	125	11/07/2023
Chromium		0.0015		0.207	0.2000	0	103.3	75	125	11/07/2023
Cobalt		0.0010		0.517	0.5000	0.0003494	103.4	75	125	11/07/2023
Lead		0.0010		0.506	0.5000	0	101.3	75	125	11/06/2023
Lithium	*	0.0030		0.515	0.5000	0.01786	99.5	75	125	11/07/2023
Selenium		0.0010		0.533	0.5000	0	106.7	75	125	11/07/2023
Thallium		0.0020		0.238	0.2500	0	95.2	75	125	11/06/2023

Batch 214220 SampType: MSD Units mg/L

SampID: 23101244-020BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.563	0.5000	0.0006139	112.4	0.5453	3.16	11/06/2023
Arsenic		0.0010		0.554	0.5000	0.0004317	110.7	0.5550	0.20	11/07/2023
Barium		0.0010		2.18	2.000	0.05467	106.1	2.142	1.61	11/06/2023
Beryllium		0.0010		0.0491	0.0500	0	98.2	0.05067	3.18	11/07/2023
Boron		0.0250		2.37	0.5000	1.808	112.8	2.428	2.34	11/07/2023
Cadmium		0.0010		0.0509	0.0500	0	101.9	0.05133	0.77	11/07/2023
Chromium		0.0015		0.198	0.2000	0	99.2	0.2066	4.04	11/07/2023
Cobalt		0.0010		0.508	0.5000	0.0003494	101.6	0.5173	1.76	11/07/2023
Lead		0.0010		0.503	0.5000	0	100.6	0.5064	0.67	11/06/2023
Lithium	*	0.0030		0.503	0.5000	0.01786	97.0	0.5153	2.47	11/07/2023
Selenium		0.0010		0.537	0.5000	0	107.4	0.5334	0.71	11/07/2023
Thallium		0.0020		0.241	0.2500	0	96.4	0.2381	1.23	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214221 SampType: MBLK Units mg/L

SampID: MBLK-214221

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	11/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/07/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/07/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/07/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/07/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/07/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/07/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/07/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214221 SampType: LCS Units mg/L

SampID: LCS-214221

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.560	0.5000	0	112.0	80	120	11/07/2023
Arsenic		0.0010		0.580	0.5000	0	116.1	80	120	11/07/2023
Barium		0.0010		2.15	2.000	0	107.7	80	120	11/07/2023
Beryllium		0.0010		0.0508	0.0500	0	101.7	80	120	11/07/2023
Boron		0.0250		0.526	0.5000	0	105.1	80	120	11/07/2023
Cadmium		0.0010		0.0534	0.0500	0	106.9	80	120	11/07/2023
Chromium		0.0015		0.216	0.2000	0	107.9	80	120	11/07/2023
Cobalt		0.0010		0.549	0.5000	0	109.8	80	120	11/07/2023
Lead		0.0010		0.499	0.5000	0	99.7	80	120	11/06/2023
Lithium	*	0.0030		0.511	0.5000	0	102.3	80	120	11/07/2023
Molybdenum		0.0015		0.523	0.5000	0	104.5	80	120	11/07/2023
Selenium		0.0010		0.569	0.5000	0	113.8	80	120	11/07/2023
Thallium		0.0020		0.251	0.2500	0	100.5	80	120	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214221		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.570	0.5000	0.0005011	113.9	75	125	11/08/2023	
Arsenic		0.0010		0.559	0.5000	0.008029	110.1	75	125	11/08/2023	
Barium		0.0010		2.12	2.000	0.007382	105.8	75	125	11/08/2023	
Beryllium		0.0010		0.0492	0.0500	0	98.5	75	125	11/08/2023	
Boron		0.0250		1.46	0.5000	0.8875	114.1	75	125	11/08/2023	
Cadmium		0.0010		0.0531	0.0500	0	106.3	75	125	11/08/2023	
Chromium		0.0015		0.200	0.2000	0	100.1	75	125	11/08/2023	
Cobalt		0.0010		0.509	0.5000	0	101.7	75	125	11/08/2023	
Lead		0.0010		0.546	0.5000	0	109.2	75	125	11/08/2023	
Lithium	*	0.0030		0.592	0.5000	0.04230	110.0	75	125	11/08/2023	
Molybdenum		0.0015		0.530	0.5000	0.005998	104.9	75	125	11/08/2023	
Selenium		0.0010		0.519	0.5000	0	103.8	75	125	11/08/2023	

Batch 214221		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-021BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.555	0.5000	0.0005011	110.9	0.5701	2.67	11/08/2023		
Arsenic		0.0010		0.554	0.5000	0.008029	109.2	0.5585	0.77	11/08/2023		
Barium		0.0010		2.08	2.000	0.007382	103.9	2.123	1.80	11/08/2023		
Beryllium		0.0010		0.0496	0.0500	0	99.2	0.04923	0.74	11/08/2023		
Boron		0.0250		1.43	0.5000	0.8875	109.1	1.458	1.73	11/08/2023		
Cadmium		0.0010		0.0518	0.0500	0	103.7	0.05314	2.50	11/08/2023		
Chromium		0.0015		0.200	0.2000	0	100.1	0.2003	0.07	11/08/2023		
Cobalt		0.0010		0.504	0.5000	0	100.9	0.5087	0.85	11/08/2023		
Lead		0.0010		0.535	0.5000	0	107.1	0.5462	1.98	11/08/2023		
Lithium	*	0.0030		0.587	0.5000	0.04230	108.9	0.5922	0.90	11/08/2023		
Molybdenum		0.0015		0.525	0.5000	0.005998	103.8	0.5303	1.00	11/08/2023		
Selenium		0.0010		0.518	0.5000	0	103.6	0.5189	0.21	11/08/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214221		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-022BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.574	0.5000	0	114.7	75	125	11/09/2023	
Arsenic		0.0010		0.555	0.5000	0.0005778	110.9	75	125	11/09/2023	
Barium		0.0010		2.13	2.000	0.02852	105.2	75	125	11/09/2023	
Beryllium		0.0010		0.0497	0.0500	0	99.4	75	125	11/09/2023	
Cadmium		0.0010		0.0533	0.0500	0	106.7	75	125	11/09/2023	
Chromium		0.0015		0.199	0.2000	0	99.6	75	125	11/09/2023	
Cobalt		0.0010		0.498	0.5000	0	99.5	75	125	11/09/2023	
Lead		0.0010		0.547	0.5000	0	109.4	75	125	11/09/2023	
Lithium	*	0.0030		0.637	0.5000	0.1241	102.6	75	125	11/09/2023	
Molybdenum		0.0015		0.538	0.5000	0.007008	106.2	75	125	11/09/2023	
Selenium		0.0010		0.526	0.5000	0	105.2	75	125	11/09/2023	
Thallium		0.0020		0.261	0.2500	0	104.5	75	125	11/09/2023	

Batch 214221		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-022BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.573	0.5000	0	114.6	0.5736	0.06	11/09/2023		
Arsenic		0.0010		0.567	0.5000	0.0005778	113.3	0.5551	2.14	11/09/2023		
Barium		0.0010		2.16	2.000	0.02852	106.4	2.133	1.10	11/09/2023		
Beryllium		0.0010		0.0524	0.0500	0	104.8	0.04969	5.32	11/09/2023		
Cadmium		0.0010		0.0542	0.0500	0	108.4	0.05333	1.58	11/09/2023		
Chromium		0.0015		0.203	0.2000	0	101.4	0.1992	1.81	11/09/2023		
Cobalt		0.0010		0.511	0.5000	0	102.3	0.4975	2.75	11/09/2023		
Lead		0.0010		0.556	0.5000	0	111.2	0.5469	1.67	11/09/2023		
Lithium	*	0.0030		0.640	0.5000	0.1241	103.2	0.6370	0.44	11/09/2023		
Molybdenum		0.0015		0.552	0.5000	0.007008	108.9	0.5379	2.52	11/09/2023		
Selenium		0.0010		0.537	0.5000	0	107.3	0.5262	1.95	11/09/2023		
Thallium		0.0020		0.269	0.2500	0	107.7	0.2612	3.01	11/09/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214222 SampType: MBLK Units mg/L
SampID: MBLK-214222

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	11/06/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/06/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/06/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/07/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/07/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/06/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/07/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/07/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/07/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/07/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/07/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/06/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/06/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/06/2023

Batch 214222 SampType: LCS Units mg/L
SampID: LCS-214222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.549	0.5000	0	109.9	80	120	11/07/2023
Antimony		0.0010		0.549	0.5000	0	109.7	80	120	11/06/2023
Arsenic		0.0010		0.553	0.5000	0	110.7	80	120	11/07/2023
Barium		0.0010		2.17	2.000	0	108.6	80	120	11/06/2023
Beryllium		0.0010		0.0516	0.0500	0	103.1	80	120	11/07/2023
Boron		0.0250		0.515	0.5000	0	103.0	80	120	11/07/2023
Cadmium		0.0010		0.0537	0.0500	0	107.5	80	120	11/07/2023
Chromium		0.0015		0.214	0.2000	0	106.8	80	120	11/07/2023
Cobalt		0.0010		0.545	0.5000	0	109.0	80	120	11/07/2023
Iron		0.0250		2.18	2.000	0	109.0	80	120	11/07/2023
Lead		0.0010		0.503	0.5000	0	100.5	80	120	11/06/2023
Lithium	*	0.0030		0.498	0.5000	0	99.6	80	120	11/07/2023
Manganese		0.0020		0.516	0.5000	0	103.3	80	120	11/07/2023
Molybdenum		0.0015		0.505	0.5000	0	101.0	80	120	11/07/2023
Selenium		0.0010		0.548	0.5000	0	109.6	80	120	11/07/2023
Thallium		0.0020		0.258	0.2500	0	103.3	80	120	11/06/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214222		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.571	0.5000	0.001884	113.9	75	125	11/07/2023	
Arsenic		0.0010		0.552	0.5000	0	110.3	75	125	11/07/2023	
Barium		0.0010		2.37	2.000	0.2009	108.3	75	125	11/07/2023	
Beryllium		0.0010		0.0557	0.0500	0	111.4	75	125	11/07/2023	
Boron		0.0250		1.12	0.5000	0.5382	116.9	75	125	11/07/2023	
Cadmium		0.0010		0.0546	0.0500	0	109.3	75	125	11/07/2023	
Chromium		0.0015		0.211	0.2000	0.003089	103.8	75	125	11/07/2023	
Cobalt		0.0010		0.527	0.5000	0	105.4	75	125	11/07/2023	
Iron		0.0250		1.96	2.000	0.01304	97.6	75	125	11/07/2023	
Lead		0.0010		0.520	0.5000	0	103.9	75	125	11/06/2023	
Lithium	*	0.0030		0.597	0.5000	0.07107	105.1	75	125	11/07/2023	
Manganese		0.0020		0.509	0.5000	0	101.9	75	125	11/07/2023	
Molybdenum		0.0015		0.518	0.5000	0.002177	103.2	75	125	11/07/2023	
Selenium		0.0010		0.536	0.5000	0	107.3	75	125	11/07/2023	
Thallium		0.0020		0.246	0.2500	0	98.4	75	125	11/06/2023	

Batch 214222		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-015CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.576	0.5000	0.001884	114.7	0.5713	0.76	11/07/2023		
Arsenic		0.0010		0.531	0.5000	0	106.2	0.5515	3.76	11/07/2023		
Barium		0.0010		2.41	2.000	0.2009	110.5	2.368	1.82	11/07/2023		
Beryllium		0.0010		0.0566	0.0500	0	113.3	0.05572	1.64	11/07/2023		
Boron		0.0250		1.15	0.5000	0.5382	122.1	1.123	2.31	11/07/2023		
Cadmium		0.0010		0.0539	0.0500	0	107.7	0.05463	1.41	11/07/2023		
Chromium		0.0015		0.217	0.2000	0.003089	106.7	0.2108	2.71	11/07/2023		
Cobalt		0.0010		0.531	0.5000	0	106.2	0.5270	0.79	11/07/2023		
Iron		0.0250		2.00	2.000	0.01304	99.2	1.965	1.61	11/07/2023		
Lead		0.0010		0.505	0.5000	0	101.1	0.5196	2.81	11/06/2023		
Lithium	*	0.0030		0.613	0.5000	0.07107	108.4	0.5967	2.69	11/07/2023		
Manganese		0.0020		0.513	0.5000	0	102.6	0.5094	0.76	11/07/2023		
Molybdenum		0.0015		0.518	0.5000	0.002177	103.1	0.5183	0.10	11/07/2023		
Selenium		0.0010		0.523	0.5000	0	104.5	0.5365	2.60	11/07/2023		
Thallium		0.0020		0.243	0.2500	0	97.2	0.2459	1.22	11/06/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214222		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-023BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.559	0.5000	0.0006919	111.7	75	125	11/07/2023	
Arsenic		0.0010		0.572	0.5000	0.001558	114.0	75	125	11/07/2023	
Barium		0.0010		2.13	2.000	0.02106	105.7	75	125	11/07/2023	
Beryllium		0.0010		0.0505	0.0500	0	101.0	75	125	11/07/2023	
Boron		0.0250		1.94	0.5000	1.354	116.6	75	125	11/07/2023	
Cadmium		0.0010		0.0524	0.0500	0	104.8	75	125	11/07/2023	
Chromium		0.0015		0.205	0.2000	0	102.5	75	125	11/07/2023	
Cobalt		0.0010		0.522	0.5000	0	104.5	75	125	11/07/2023	
Lead		0.0010		0.509	0.5000	0	101.9	75	125	11/06/2023	
Lithium	*	0.0030		0.572	0.5000	0.07052	100.2	75	125	11/07/2023	
Molybdenum		0.0015		0.554	0.5000	0.02522	105.8	75	125	11/07/2023	
Selenium		0.0010		0.548	0.5000	0	109.6	75	125	11/07/2023	
Thallium		0.0020		0.234	0.2500	0	93.7	75	125	11/06/2023	

Batch 214222		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-023BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.552	0.5000	0.0006919	110.3	0.5590	1.21	11/07/2023		
Arsenic		0.0010		0.527	0.5000	0.001558	105.2	0.5716	8.05	11/07/2023		
Barium		0.0010		2.13	2.000	0.02106	105.4	2.134	0.27	11/07/2023		
Beryllium		0.0010		0.0523	0.0500	0	104.6	0.05049	3.56	11/07/2023		
Boron		0.0250		1.90	0.5000	1.354	110.2	1.937	1.68	11/07/2023		
Cadmium		0.0010		0.0517	0.0500	0	103.3	0.05239	1.39	11/07/2023		
Chromium		0.0015		0.200	0.2000	0	100.0	0.2049	2.48	11/07/2023		
Cobalt		0.0010		0.506	0.5000	0	101.1	0.5223	3.28	11/07/2023		
Lead		0.0010		0.518	0.5000	0	103.5	0.5094	1.62	11/06/2023		
Lithium	*	0.0030		0.565	0.5000	0.07052	98.9	0.5718	1.18	11/07/2023		
Molybdenum		0.0015		0.538	0.5000	0.02522	102.6	0.5542	2.89	11/07/2023		
Selenium		0.0010		0.511	0.5000	0	102.1	0.5478	7.01	11/07/2023		
Thallium		0.0020		0.237	0.2500	0	94.8	0.2342	1.19	11/06/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214228 SampType: MBLK Units mg/L

SampID: MBLK-214228

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	11/09/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/09/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/09/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/09/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/09/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/09/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/09/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	11/09/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/09/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/09/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	11/09/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/09/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/09/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/09/2023

Batch 214228 SampType: LCS Units mg/L

SampID: LCS-214228

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.549	0.5000	0	109.8	80	120	11/09/2023
Arsenic		0.0010		0.535	0.5000	0	106.9	80	120	11/09/2023
Arsenic		0.0010		0.549	0.5000	0	109.8	80	120	11/09/2023
Barium		0.0010		2.06	2.000	0	102.8	80	120	11/09/2023
Beryllium		0.0010		0.0508	0.0500	0	101.6	80	120	11/09/2023
Beryllium		0.0010		0.0500	0.0500	0	100.0	80	120	11/09/2023
Boron		0.0250		0.509	0.5000	0	101.7	80	120	11/09/2023
Cadmium		0.0010		0.0516	0.0500	0	103.3	80	120	11/09/2023
Chromium		0.0015		0.203	0.2000	0	101.4	80	120	11/09/2023
Iron		0.0250		1.90	2.000	0	94.9	80	120	11/09/2023
Lead		0.0010		0.521	0.5000	0	104.3	80	120	11/09/2023
Lithium	*	0.0030		0.567	0.5000	0	113.4	80	120	11/09/2023
Lithium	*	0.0030		0.511	0.5000	0	102.1	80	120	11/09/2023
Manganese		0.0020		0.497	0.5000	0	99.4	80	120	11/09/2023
Molybdenum		0.0015		0.486	0.5000	0	97.2	80	120	11/09/2023
Selenium		0.0010		0.527	0.5000	0	105.4	80	120	11/09/2023
Selenium		0.0010		0.543	0.5000	0	108.6	80	120	11/09/2023
Thallium		0.0020		0.247	0.2500	0	99.0	80	120	11/09/2023



Quality Control Results

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Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214228		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-028BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		0.505	0.5000	0.0007761	100.8	75	125	11/09/2023	
Arsenic		0.0010		0.539	0.5000	0.002295	107.4	75	125	11/09/2023	
Barium		0.0010		2.05	2.000	0.04416	100.5	75	125	11/09/2023	
Beryllium		0.0010		0.0500	0.0500	0	100.0	75	125	11/09/2023	
Boron		0.0250		1.47	0.5000	0.9621	102.0	75	125	11/09/2023	
Cadmium		0.0010		0.0512	0.0500	0	102.4	75	125	11/09/2023	
Chromium		0.0015		0.205	0.2000	0.003002	101.1	75	125	11/09/2023	
Cobalt		0.0010		0.504	0.5000	0.002111	100.3	75	125	11/09/2023	
Lead		0.0010		0.524	0.5000	0.006836	103.4	75	125	11/09/2023	
Lithium	*	0.0030		0.519	0.5000	0.03506	96.8	75	125	11/09/2023	
Molybdenum		0.0015		0.512	0.5000	0.003629	101.6	75	125	11/09/2023	
Selenium		0.0010		0.520	0.5000	0	104.1	75	125	11/09/2023	
Thallium		0.0020		0.250	0.2500	0	99.8	75	125	11/09/2023	

Batch 214228		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-028BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.532	0.5000	0.0007761	106.2	0.5050	5.15	11/09/2023		
Arsenic		0.0010		0.556	0.5000	0.002295	110.7	0.5392	3.00	11/09/2023		
Barium		0.0010		2.15	2.000	0.04416	105.3	2.055	4.56	11/09/2023		
Beryllium		0.0010		0.0488	0.0500	0	97.6	0.05002	2.47	11/09/2023		
Boron		0.0250		1.48	0.5000	0.9621	103.8	1.472	0.60	11/09/2023		
Cadmium		0.0010		0.0504	0.0500	0	100.7	0.05118	1.61	11/09/2023		
Chromium		0.0015		0.207	0.2000	0.003002	102.2	0.2052	1.02	11/09/2023		
Cobalt		0.0010		0.506	0.5000	0.002111	100.8	0.5036	0.49	11/09/2023		
Lead		0.0010		0.537	0.5000	0.006836	106.1	0.5239	2.52	11/09/2023		
Lithium	*	0.0030		0.531	0.5000	0.03506	99.2	0.5191	2.29	11/09/2023		
Molybdenum		0.0015		0.521	0.5000	0.003629	103.5	0.5115	1.89	11/09/2023		
Selenium		0.0010		0.531	0.5000	0	106.1	0.5204	1.92	11/09/2023		
Thallium		0.0020		0.255	0.2500	0	101.8	0.2495	1.97	11/09/2023		

Batch 214378		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214378											
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	11/10/2023	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/10/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214378		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214378											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.484	0.5000	0	96.9	80	120	11/10/2023	
Molybdenum		0.0015		0.504	0.5000	0	100.9	80	120	11/10/2023	

Batch 214378		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250	S	2.32	0.5000	2.337	-2.5	75	125	11/10/2023	

Batch 214378		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-018BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Boron		0.0250	S	2.41	0.5000	2.337	15.1	2.324	3.71	11/10/2023		

Batch 214378		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101244-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Molybdenum		0.0015		0.543	0.5000	0.003128	108.0	75	125	11/10/2023	

Batch 214378		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23101244-020BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Molybdenum		0.0015		0.515	0.5000	0.003128	102.4	0.5434	5.35	11/10/2023		

Batch 214481		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-214481											
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	11/10/2023	

Batch 214481		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-214481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.494	0.5000	0	98.9	80	120	11/10/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

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

Batch 214481		SampType: MS		Units mg/L							
SampID: 23101244-022BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250	S	2.22	0.5000	1.976	49.6	75	125	11/10/2023	

Batch 214481		SampType: MSD		Units mg/L							
SampID: 23101244-022BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Boron		0.0250	S	2.28	0.5000	1.976	60.4	2.224	2.41	11/10/2023	

SW-846 7470A (TOTAL)

Batch 214212		SampType: MBLK		Units mg/L							
SampID: MBLK-214212											
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	11/06/2023	

Batch 214212		SampType: LCS		Units mg/L							
SampID: LCS-214212											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00517	0.0050	0	103.4	85	115	11/06/2023	

Batch 214212		SampType: MS		Units mg/L							
SampID: 23101244-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00538	0.0050	0	107.5	75	125	11/06/2023	

Batch 214212		SampType: MSD		Units mg/L							
SampID: 23101244-004CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00527	0.0050	0	105.5	0.005377	1.92	11/06/2023	

Batch 214212		SampType: MS		Units mg/L							
SampID: 23101244-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00514	0.0050	0	102.8	75	125	11/06/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

SW-846 7470A (TOTAL)

Batch 214212		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-005CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00491	0.0050	0	98.3	0.005142	4.54	11/06/2023	

Batch 214213		SampType: MBLK		Units mg/L							
SampID: MBLK-214213											
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	11/06/2023	

Batch 214213		SampType: LCS		Units mg/L							
SampID: LCS-214213											
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	85	115	11/06/2023	

Batch 214213		SampType: MS		Units mg/L							
SampID: 23101244-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00514	0.0050	0	102.9	75	125	11/06/2023	

Batch 214213		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-009BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00516	0.0050	0	103.2	0.005144	0.35	11/06/2023	

Batch 214213		SampType: MS		Units mg/L							
SampID: 23101244-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00477	0.0050	0	95.4	75	125	11/06/2023	

Batch 214213		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-010BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00458	0.0050	0	91.6	0.004769	4.04	11/06/2023	

Batch 214214		SampType: MBLK		Units mg/L							
SampID: MBLK-214214											
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	11/06/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 7470A (TOTAL)

Batch 214214		SampType: LCS		Units mg/L							Date
SampID: LCS-214214											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		0.00507	0.0050	0	101.4	85	115		11/06/2023

Batch 214214		SampType: MS		Units mg/L							Date
SampID: 23101244-011CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		0.00518	0.0050	0	103.7	75	125		11/06/2023

Batch 214214		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23101244-011CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Mercury		0.00020		0.00521	0.0050	0	104.2	0.005185	0.52		11/06/2023

Batch 214214		SampType: MS		Units mg/L							Date
SampID: 23101244-013CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		0.00506	0.0050	0	101.2	75	125		11/06/2023

Batch 214214		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23101244-013CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Mercury		0.00020		0.00504	0.0050	0	100.9	0.005059	0.33		11/06/2023

Batch 214215		SampType: MBLK		Units mg/L							Date
SampID: MBLK-214215											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100		11/06/2023

Batch 214215		SampType: LCS		Units mg/L							Date
SampID: LCS-214215											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		0.00507	0.0050	0	101.5	85	115		11/06/2023

Batch 214215		SampType: MS		Units mg/L							Date
SampID: 23101244-016CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		0.00500	0.0050	0	99.9	75	125		11/06/2023



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101244
Report Date: 27-Nov-23

SW-846 7470A (TOTAL)

Batch 214215		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-016CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00500	0.0050	0	100.0	0.004996	0.07	11/06/2023	

Batch 214215		SampType: MS		Units mg/L							
SampID: 23101244-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00514	0.0050	0	102.8	75	125	11/06/2023	

Batch 214215		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-018BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00510	0.0050	0	102.0	0.005139	0.75	11/06/2023	

Batch 214216		SampType: MBLK		Units mg/L							
SampID: MBLK-214216											
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	11/06/2023	

Batch 214216		SampType: LCS		Units mg/L							
SampID: LCS-214216											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00491	0.0050	0	98.1	85	115	11/06/2023	

Batch 214216		SampType: MS		Units mg/L							
SampID: 23101244-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00528	0.0050	0.0001230	103.1	75	125	11/07/2023	

Batch 214216		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00520	0.0050	0.0001230	101.4	0.005276	1.55	11/07/2023	

Batch 214216		SampType: MS		Units mg/L							
SampID: 23101244-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00575	0.0050	0	114.9	75	125	11/07/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 7470A (TOTAL)

Batch 214216		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-020BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00566	0.0050	0	113.2	0.005747	1.54	11/07/2023	

Batch 214363		SampType: MBLK		Units mg/L							
SampID: MBLK-214363											
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	11/08/2023	

Batch 214363		SampType: LCS		Units mg/L							
SampID: LCS-214363											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00426	0.0050	0	85.1	85	115	11/08/2023	

Batch 214363		SampType: MS		Units mg/L							
SampID: 23101244-024BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00465	0.0050	0	93.1	75	125	11/08/2023	

Batch 214363		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-024BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00469	0.0050	0	93.8	0.004653	0.78	11/08/2023	

Batch 214490		SampType: MBLK		Units mg/L							
SampID: MBLK-214490											
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	11/10/2023	

Batch 214490		SampType: LCS		Units mg/L							
SampID: LCS-214490											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00441	0.0050	0	88.3	85	115	11/10/2023	

Batch 214490		SampType: MS		Units mg/L							
SampID: 23101244-032BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00396	0.0050	0	79.3	75	125	11/10/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

SW-846 7470A (TOTAL)

Batch 214490		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-032BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00403	0.0050	0	80.6	0.003964	1.61	11/10/2023	

Batch 214492		SampType: MBLK		Units mg/L							
SampID: MBLK-214492											
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	11/10/2023	

Batch 214492		SampType: LCS		Units mg/L							
SampID: LCS-214492											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00470	0.0050	0	94.0	85	115	11/10/2023	

Batch 214492		SampType: MS		Units mg/L							
SampID: 23101244-029BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00502	0.0050	0	100.4	75	125	11/10/2023	

Batch 214492		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-029BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00497	0.0050	0	99.3	0.005020	1.07	11/10/2023	

Batch 214492		SampType: MS		Units mg/L							
SampID: 23101244-043CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00427	0.0050	0	85.4	75	125	11/10/2023	

Batch 214492		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23101244-043CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00438	0.0050	0	87.6	0.004270	2.58	11/10/2023	



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101244

Client Project: BAL-23Q4

Report Date: 27-Nov-23

Carrier: Tracy Carroll

Received By: AMD

Completed by:

Reviewed by:

On:

On:

01-Nov-23

06-Nov-23

Amber Dilallo

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 7.6
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

Additional Nitric Acid (93773) was needed in MW-393 and OW-257 upon arrival at the laboratory. - amberdilallo - 11/1/2023 8:52:32 AM

pH strip #90719. - amberdilallo - 11/1/2023 8:52:48 AM

Additional Nitric Acid (93773) was needed in MW-358, MW-383, MW-384, MW-394 and MW-304 Duplicate upon arrival at the laboratory. - amberdilallo - 11/2/2023 9:55:30 AM

pH strip #90719. - amberdilallo - 11/2/2023 9:56:08 AM

Samples collected on 11/1/23 were delivered to the laboratory on 11/1/23 at 1735 (on ice 10.6C - LTG5). AMD/ERH 11/2/23

pH strip #90719. - lmaddox - 11/3/2023 10:39:34 AM

Samples collected on 11/2/23 were delivered to the laboratory on 11/2/23 at 1740 (on ice 12.8C - LTG5). - LM/ERH 11/3/23

Samples collected on 11/3/23 were delivered to the laboratory on 11/3/23 at 1400 (on ice 12.2C - LTG5). - LM/ERH 11/3/23

pH strip #90719. - LM/TMathis - 11/3/2023 4:42:59 PM

Additional preservative HNO3 (93773) was needed in MW-391 upon arrival at the laboratory. - TMathis - 11/3/2023 4:43:30 PM

Samples collected on 11/3/23 were delivered to the laboratory on 11/3/23 at 1400 (on ice 12.2C - LTG5). LM/ERH 11/6/23

23101344

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
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/FAT: 10 day	Project Number: 2285	Profile #:

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./Lab I.D.						
							Preservatives																	
							UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	BAL-257-601			BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-WPCP-605	
1	MW-104DR					4																		
2	MW-104SR					4																		
3	MW-150					4																		
4	MW-151		10-31-23	1036		4																		
5	MW-152		10-31-23	1145		4																		
6	MW-153					4																		
7	MW-154		10/30/23	DRY		4																		
8	MW-155		10-31-23	DRY		4																		
9	MW-192		10/31/23	1241		2																		
10	MW-193		10/31/23	1428		2																		
11	MW-252		10-31-23	1237		4																		
12	MW-253					4																		
13	MW-304					4																		
14	MW-306					4																		
15	MW-350					4																		
16	MW-352		10-31-23	1249		4																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0	<i>Jenny Carroll</i>	10/31/23	1720	<i>Simon Cravels</i>	10/31/23	1720	T=6 L=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: Tracy O'Connell				
SIGNATURE of SAMPLER: <i>Jenny Carroll</i>				
DATE Signed (MM/DD/YY): 10/31/23				

*Insufficient amount of water to sample
Added HNO3 (93773) to MW-393 & MW-257
ditto 90719 same 10/1/23
Confidential

23101244

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:		REGULATORY AGENCY	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiston		NPDES GROUND WATER DRINKING WATER	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Baldwin, IL 62217		Kim Edmiston-Kimberly.Edmiston@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quota Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./Lab I.D.	
			COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test #	Analysis Test #			
			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol	Other					BAL-257-601
1	MW-355		10-31-23	1352	4	2													23101244-117
2	MW-356				2	1													118
3	MW-358				3	1													119
4	MW-366				3	1													120
5	MW-369				2	1													121
6	MW-370				2	1													122
7	MW-375				2	1													123
8	MW-377				2	1													124
9	MW-382				2	1													125
10	MW-383				2	1													126
11	MW-384				2	1													127
12	MW-390				2	1													128
13	MW-391				2	1													129
14	MW-392		10/31/23	1332	3	1													130
15	MW-393		10/31/23	1303	3	1													131
16	MW-394				2	1													132

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0	Jessica Carroll	10/31/23	1720	Shirley Qualls	10/31/23	1720	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:	Jessica Carroll				
SIGNATURE of SAMPLER:	Jessica Carroll	DATE Signed (MM/DD/YY):	10/31/23		

231012/44

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:		REGULATORY AGENCY	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston		NPDES GROUND WATER DRINKING WATER	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	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				
1	OW-156		10/31/23	1218	0	0													231012/44-238	
2	OW-157				0	0													034	
3	OW-256		10/31/23	1202	0	1													015	
4	OW-257		10-31-23	0948	0	1													042	
5	PZ-170		10/31/23	1017	0	1													037	
6	PZ-182		10/31/23	1057	0	1													038	
7	TPZ-164		10/30/23	1330	0	0													039	
8	XPW01		10/30/23	1340	0	0													040	
9	XPW05		10/30/23	13:26	0	0													041	
10	XPW06		10/30/23	14:26	0	0													042	
11	Field Blank				0	2													043	
12	MW-304 Duplicate				0	2													044	
13																				
14																				
15																				
16																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0	<i>Tracy Carroll</i>	10/31/23	1720	<i>Sharon O'Connell</i>	10/31/23	1720	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:	<i>Tracy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>	DATE Signed (MM/DD/YYYY):	10/31/23		

23101244

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
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: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location				STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	SAMPLE CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	NH ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605			BAL-CLOSURE-605	BAL-WPCP-605		
1	MW-355							4	2																		23101244-017
2	MW-356							2	1																		018
3	MW-358	*			11/1/23	1705		2	1																		019
4	MW-366							2	1																		020
5	MW-369							2	1																		021
6	MW-370							2	1																		022
7	MW-375							2	1																		023
8	MW-377							2	1																		024
9	MW-382							2	1																		025
10	MW-383	*			11/1/23	1413		2	1																		026
11	MW-384	*			11/1/23	1520		2	1																		027
12	MW-390							2	1																		028
13	MW-391							2	1																		029
14	MW-392							2	1																		030
15	MW-393							2	1																		031
16	MW-394	*			11/1/23	1314		2	1																		032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
BAL-23Q4 Rev 0	Jenny Horsch	11/1/23	1735	Jane Ouellet	11/1/23	1735	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: Jenny Horsch											
SIGNATURE of SAMPLER: Jenny Horsch											DATE Signed (MM/DD/YYYY): 11/1/23

23101244

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@visstracorp.com		Company Name: Vistra Corp	
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@visstracorp.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: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location		IL			
STATE:					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
							Preservatives												
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	BAL-257-601			BAL-257-605
1	OW-156					0													
2	OW-157					0													
3	OW-256					2	1	1											034
4	OW-257					2	1	1											035
5	PZ-170					2	1	1											036
6	PZ-182					2	1	1											037
7	TPZ-164					0													038
8	XPW01					0													039
9	XPW05					0													040
10	XPW06					2													041
11	Field Blank					4	3	2											042
12	MW-304 Duplicate *		11/1/23	1034		4	3	2											043
13																			044
14																			
15																			
16																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0	<i>Tracy Carroll</i>	11/1/23	1735	<i>Sharon DeBelle</i>	11/1/23	1735	Y N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <i>Tracy Carroll</i>			
SIGNATURE of SAMPLER: <i>Tracy Carroll</i>		DATE Signed (MM/DD/YY): 11/1/23	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

2310141

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiston	
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: 2285		Profile #:	
				REGULATORY AGENCY	
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location		IL			
STATE:					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	§ A analysis Test #	BAL-257-601			BAL-267-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-WPCP-605			
1	MW-355					4																				
2	MW-356		11/2/23	942		2																				
3	MW-358					3																				
4	MW-366		11/2/23	1515		2																				
5	MW-369		11/2/23	1039		2																				
6	MW-370		11/2/23	1153		2																				
7	MW-375					2																				
8	MW-377					2																				
9	MW-382		11/2/23	1249		2																				
10	MW-383					2																				
11	MW-384					2																				
12	MW-390		11/2/23	1416		2																				
13	MW-391					2																				
14	MW-392					2																				
15	MW-393					2																				
16	MW-394					2																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
BAL-23Q4 Rev 0	Jean Carroll	11/2/23	1740	Kim Edmiston	11/2/23	1740	2.8	Y N
							2.8	Y N

PH: 90719 UA 11/3

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YYYY):	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Jean Carroll					
SIGNATURE of SAMPLER:	Jean Carroll	11/2/23				

23101244

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information: Company: Visira Corp-Baldwin Address: 10901 Baldwin Road Baldwin, IL 62217 Email To: Brian.Voelker@VisiraCorp.com Phone: (217) 753-8911 Fax: _____ Requested Due Date/TAT: 10 day		Section B Required Project Information: Report To: Brian Voelker Copy To: Sam Davies-samantha.davies@visiracorp.com Kim Edmiaston-Kimberly.Edmiaston@visiracorp.com Purchase Order No.: _____ Project Name: _____ Project Number: 2285		Section C Invoice Information: Attention: Kim Edmiaston Company Name: Visira Corp Address: see Section A Quote Reference: _____ Project Manager: _____ Profile #: _____		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: _____ 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 WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to fill)	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-CLOSURE-605		
1	OW-156							0																
2	OW-157				11/2/23	1332		0																23101244-157
3	OW-256							2	1	1						✓	✓							256
4	OW-257							2	1	1						✓	✓							257
5	PZ-170							2	1	1						✓	✓							170
6	PZ-182							2	1	1						✓	✓							182
7	TPZ-164							0								✓	✓							164
8	XPW01							0										✓						01
9	XPW05							0										✓						05
10	XPW06							0										✓						06
11	Field Blank							4	2	2						✓	✓	✓	✓	✓	✓			011
12	MW-304 Duplicate							4	2	2						✓	✓	✓	✓	✓	✓			012
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION				
BAL-23Q4 Rev 0	<i>Tracy Carroll</i>	11/2/23	1740	<i>[Signature]</i>	11/2/23	1740	7	11			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	<i>Tracy Carroll</i>		
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>		
DATE Signed (MM/DD/YYYY):	11	2	23
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23101244

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
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: 2285		Profile #:	
REGULATORY AGENCY					
		NPDES		GROUND WATER	
		UST		RCRA	
				DRINKING WATER	
				OTHER	
		Site Location		IL	
		STATE:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE	Valid Matrix Codes CODE	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-104DR							4	2																		23101244-001			
2	MW-104SR							4	2																		002			
3	MW-150					11/3/23	1015	4	2																		003			
4	MW-151							4	2																		004			
5	MW-152							4	2																		005			
6	MW-153					11/3/23	120A	4	2																		006			
7	MW-154							4	2																		007			
8	MW-155							4	2																		008			
9	MW-192							2	1																		009			
10	MW-193							2	1																		010			
11	MW-252							4	2																		011			
12	MW-253						1233	4	2																		012			
13	MW-304							4	2																		013			
14	MW-306					11/3/23	0927	4	2																		014			
15	MW-350					11/3/23	1042	4	2																		015			
16	MW-352							4	2																		016			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
BAL-23Q4 Rev 0	<i>Jessy Carrion</i>	11/3/23	1400	<i>Uma Sells</i>	11/3/23	1400	5	Y	N		
							122				

PH-90719
 Added HNO₃(95T) to MW 391
 UM 11/3

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:		<i>Jessy Carrion</i>	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	<i>Jessy Carrion</i>
		11/3/23	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23101244

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
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: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location		IL			
STATE:					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605			BAL-CLOSURE-605	BAL-WPCP-605
1	MW-355					4	2	2														23101244-017	
2	MW-356					2	1	1														018	
3	MW-358					2	1	1														019	
4	MW-366					2	1	1														020	
5	MW-369					2	1	1														021	
6	MW-370					2	1	1														022	
7	MW-375		11/3/23	1005		2	1	1														023	
8	MW-377		11/3/23	1111		2	1	1														024	
9	MW-382					2	1	1														025	
10	MW-383					2	1	1														026	
11	MW-384					2	1	1														027	
12	MW-390					2	1	1														028	
13	MW-391		11/3/23	1008		2	1	1														029	
14	MW-392					2	1	1														030	
15	MW-393					2	1	1														031	
16	MW-394					2	1	1														032	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
BAL-23Q4 Rev 0		<i>Jessie Carroll</i>		11/3/23		1400		<i>Sam Davies</i>		11/3/23		1400		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: <i>Jessie Carroll</i>																	
SIGNATURE of SAMPLER: <i>Jessie Carroll</i>																	
														DATE Signed (MM/DD/YYYY): <i>9/13/23</i>			

23101244

Page: 3 of 3

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: 2285		Section C Invoice Information: Attention: Kim Edmiaston Company Name: Vistra Corp Address: see Section A Quote Reference: _____ Project Manager: _____ Profile #: _____		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE: _____		
--	--	--	--	--	--	--	--	--

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=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.	
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-WPCP-605			
1	OW-156								0																		23101244-1133
2	OW-157								0																		034
3	OW-256								2		1																035
4	OW-257								2		1																036
5	PZ-170								2		1																037
6	PZ-182								2		1																038
7	TPZ-164								0																		039
8	XPW01								0																		040
9	XPW05								0																		041
10	XPW06								2																		042
11	Field Blank								4		2	2															043
12	MW-304 Duplicate								4		2	2															044
13																											
14																											
15																											
16																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0	Tracy Powell	11/3/23	1400	Tracy Powell	11/3/23	1400	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: Tracy Powell		DATE Signed (MM/DD/YY): 11/3/23				
SIGNATURE of SAMPLER: Tracy Powell						

December 11, 2023

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



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

RE: BAL-23Q4

WorkOrder: 23101245

Dear Eric Bauer:

TEKLAB, INC received 33 samples on 11/3/2023 2:00:00 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: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	40
Receiving Check List	41
Chain of Custody	Appended

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

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: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Cooler Receipt Temp: 7.6 °C

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

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-001

Client Sample ID: MW-150

Matrix: GROUNDWATER

Collection Date: 11/03/2023 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-002

Client Sample ID: MW-151

Matrix: GROUNDWATER

Collection Date: 10/31/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-003

Client Sample ID: MW-152

Matrix: GROUNDWATER

Collection Date: 10/31/2023 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-004
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-153
Collection Date: 11/03/2023 12:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-005

Client Sample ID: MW-192

Matrix: GROUNDWATER

Collection Date: 10/31/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-006

Client Sample ID: MW-193

Matrix: GROUNDWATER

Collection Date: 10/31/2023 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-007

Client Sample ID: MW-252

Matrix: GROUNDWATER

Collection Date: 10/31/2023 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-008

Client Sample ID: MW-253

Matrix: GROUNDWATER

Collection Date: 11/03/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:44	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-009

Client Sample ID: MW-304

Matrix: GROUNDWATER

Collection Date: 11/01/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:48	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-010
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-306
Collection Date: 11/03/2023 9:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-011
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-350
Collection Date: 11/03/2023 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	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-012

Client Sample ID: MW-352

Matrix: GROUNDWATER

Collection Date: 10/31/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-013

Client Sample ID: MW-356

Matrix: GROUNDWATER

Collection Date: 11/02/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-014

Client Sample ID: MW-358

Matrix: GROUNDWATER

Collection Date: 11/01/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-015

Client Sample ID: MW-366

Matrix: GROUNDWATER

Collection Date: 11/02/2023 15:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-016

Client Sample ID: MW-369

Matrix: GROUNDWATER

Collection Date: 11/02/2023 10:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-017
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-370
Collection Date: 11/02/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-018

Client Sample ID: MW-375

Matrix: GROUNDWATER

Collection Date: 11/03/2023 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-019

Client Sample ID: MW-377

Matrix: GROUNDWATER

Collection Date: 11/03/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:47	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-020

Client Sample ID: MW-382

Matrix: GROUNDWATER

Collection Date: 11/02/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/06/2023 11:46	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-021

Client Sample ID: MW-383

Matrix: GROUNDWATER

Collection Date: 11/01/2023 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-022

Client Sample ID: MW-384

Matrix: GROUNDWATER

Collection Date: 11/01/2023 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-023

Client Sample ID: MW-390

Matrix: GROUNDWATER

Collection Date: 11/02/2023 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	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-024

Client Sample ID: MW-391

Matrix: GROUNDWATER

Collection Date: 11/03/2023 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-025
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-392
Collection Date: 10/31/2023 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	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-026

Client Sample ID: MW-393

Matrix: GROUNDWATER

Collection Date: 10/31/2023 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:50	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-027
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: MW-394
Collection Date: 11/01/2023 13:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:51	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-028

Client Sample ID: OW-256

Matrix: GROUNDWATER

Collection Date: 10/31/2023 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:52	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Lab ID: 23101245-029

Client Sample ID: OW-257

Matrix: GROUNDWATER

Collection Date: 10/31/2023 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:53	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-030

Client Sample ID: PZ-170

Matrix: GROUNDWATER

Collection Date: 10/31/2023 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:53	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-031
Matrix: GROUNDWATER

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: PZ-182
Collection Date: 10/31/2023 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:53	R340287



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4
Lab ID: 23101245-032
Matrix: AQUEOUS

Work Order: 23101245
Report Date: 11-Dec-23
Client Sample ID: Field Blank
Collection Date: 11/03/2023 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:53	R340287



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab ID: 23101245-033

Client Sample ID: MW-304 Duplicate

Matrix: GROUNDWATER

Collection Date: 11/01/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2023 11:53	R340287



Sample Summary

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

Client: Ramboll
Client Project: BAL-23Q4

Work Order: 23101245
Report Date: 11-Dec-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23101245-001	MW-150	Groundwater	1	11/03/2023 10:15
23101245-002	MW-151	Groundwater	1	10/31/2023 10:36
23101245-003	MW-152	Groundwater	1	10/31/2023 11:45
23101245-004	MW-153	Groundwater	1	11/03/2023 12:09
23101245-005	MW-192	Groundwater	1	10/31/2023 12:41
23101245-006	MW-193	Groundwater	1	10/31/2023 14:28
23101245-007	MW-252	Groundwater	1	10/31/2023 12:37
23101245-008	MW-253	Groundwater	1	11/03/2023 12:33
23101245-009	MW-304	Groundwater	1	11/01/2023 10:34
23101245-010	MW-306	Groundwater	1	11/03/2023 9:27
23101245-011	MW-350	Groundwater	1	11/03/2023 10:42
23101245-012	MW-352	Groundwater	1	10/31/2023 12:49
23101245-013	MW-356	Groundwater	1	11/02/2023 9:42
23101245-014	MW-358	Groundwater	1	11/01/2023 12:05
23101245-015	MW-366	Groundwater	1	11/02/2023 15:15
23101245-016	MW-369	Groundwater	1	11/02/2023 10:39
23101245-017	MW-370	Groundwater	1	11/02/2023 11:53
23101245-018	MW-375	Groundwater	1	11/03/2023 10:45
23101245-019	MW-377	Groundwater	1	11/03/2023 11:11
23101245-020	MW-382	Groundwater	1	11/02/2023 12:49
23101245-021	MW-383	Groundwater	1	11/01/2023 14:13
23101245-022	MW-384	Groundwater	1	11/01/2023 15:20
23101245-023	MW-390	Groundwater	1	11/02/2023 14:16
23101245-024	MW-391	Groundwater	1	11/03/2023 10:08
23101245-025	MW-392	Groundwater	1	10/31/2023 13:32
23101245-026	MW-393	Groundwater	1	10/31/2023 15:03
23101245-027	MW-394	Groundwater	1	11/01/2023 13:14
23101245-028	OW-256	Groundwater	1	10/31/2023 12:02
23101245-029	OW-257	Groundwater	1	10/31/2023 9:48
23101245-030	PZ-170	Groundwater	1	10/31/2023 10:17
23101245-031	PZ-182	Groundwater	1	10/31/2023 10:57
23101245-032	Field Blank	Aqueous	1	11/03/2023 12:12
23101245-033	MW-304 Duplicate	Groundwater	1	11/01/2023 10:34



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 23101245

Client Project: BAL-23Q4

Report Date: 11-Dec-23

Carrier: Tracy Carroll

Received By: AMD

Completed by:

Reviewed by:

On:

On:

01-Nov-23

06-Nov-23

Amber Dilallo

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 7.6
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

Additional Nitric Acid (93773) was needed in MW-152 and MW-393 upon arrival at the laboratory. - amberdilallo - 11/1/2023 9:06:50 AM

pH strip #90719. - amberdilallo - 11/1/2023 9:07:10 AM

Additional Nitric Acid (93773) was needed upon in MW-304, MW-358, MW-394 and MW-304 Duplicate arrival at the laboratory. - amberdilallo - 11/2/2023 9:54:24 AM

pH strip #90719. - amberdilallo - 11/2/2023 9:54:59 AM

Samples collected on 11/1/23 were delivered to the laboratory on 11/1/23 at 1735 (on ice 10.6C - LTG5). AMD/ERH 11/2/23

pH strip #90719. - lmaddox - 11/3/2023 11:14:46 AM

Samples collected on 11/2/23 were delivered to the laboratory on 11/2/23 at 1740 (on ice 12.8C - LTG5). LM/ERH 11/3/23

Samples collected on 11/3/23 were delivered to the laboratory on 11/3/23 at 1400 (on ice 12.2C - LTG5). LM/ERH 11/6/23

2310245

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:		<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:																						
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston	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:																	
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:																				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.		
						Preservatives													
						Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other	Analysis Test #	BAL-257-601			BAL-257-605	BAL-845-601
1	OW-156																		N/A
2	OW-157																		N/A
3	OW-256		10/31/23 1202		2	2													2310245-085
4	OW-257		10/31/23 0948		2	2													239
5	PZ-170		10/31/23 1017		2	2													230
6	PZ-182		10/31/23 1057		2	2													231
7	TPZ-164																		N/A
8	XPW01																		N/A
9	XPW05																		N/A
10	XPW06																		N/A
11	Field Blank				2	2													2310245-082
12	MW-304 Duplicate				2	2													233

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
BAL-23Q4 Rev 0 R2226/228 only.	Jenny Farrell	10/31/23	1720	Uma Cicalo	10/21/23	1720	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:	Jenny Farrell				
SIGNATURE of SAMPLER:	Jenny Farrell	DATE Signed (MM/DD/YY):	10/31/23		

23121245

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: 2285		Section C Invoice Information: Attention: Kim Edmiaston Company Name: Vistra Corp Address: see Section A Quote Reference: _____ Project Manager: _____ Profile #: _____	
REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER					
Site Location STATE: IL				Residual Chlorine (Y/N)	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE (see valid codes to left)	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test Y/N	Requested Analysis Filtered (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-CLOSURE-605		BAL-WPCP-605
1	OW-156																				NA
2	OW-157																				NA
3	OW-256				2																23121245-025
4	OW-257				2																029
5	PZ-170				2																030
6	PZ-182				2																031
7	TPZ-164																				NA
8	XPW01																				NA
9	XPW05																				NA
10	XPW06																				NA
11	Field Blank				2																23121245-032
12	MW-304 Duplicate	JS	11/1/23	1034	2																033

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0 2/22/24/2023 only	<i>Tracy Carroll</i>	11/1/23	1735	<i>Kimberly Edmiaston</i>	11/1/23	1735	Y N

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Tracy Carroll</i> SIGNATURE of SAMPLER: <i>Tracy Carroll</i>				DATE Signed (MM/DD/YYYY): <i>11/1/23</i>	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples intact (Y/N)
---	--	--	--	--	--

23101245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: **2** of **3**

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
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: 2285		Profile #:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No. / Lab I.D.		
							MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	Analysis Test							
									BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605			BAL-CLOSURE-605	BAL-WPCP-605
1	MW-355															
2	MW-356		11/2/23 942		2									N/A		
3	MW-358				2									23101245-013		
4	MW-366		11/2/23 1315		2									014		
5	MW-369		11/2/23 1039		2									015		
6	MW-370		11/2/23 1153		2									016		
7	MW-375				2									017		
8	MW-377				2									018		
9	MW-382		11/2/23 1249		2									019		
10	MW-383				2									020		
11	MW-384				2									021		
12	MW-390		11/2/23 1416		2									022		
13	MW-391				2									023		
14	MW-392				2									024		
15	MW-393				2									025		
16	MW-394				2									026		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q4 Rev 0 23110/238 only.	<i>Tracy Carroll</i>	11/2/23	1735	<i>J. [Signature]</i>	11/2/23	1740	12.8 25GS

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Tracy Carroll</i>		DATE Signed (MM/DD/YY): <i>11/1/23</i>	Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
SIGNATURE of SAMPLER: <i>Tracy Carroll</i>						

23101245
 Page: 3 of 3

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:		REGULATORY AGENCY		
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston	Company Name: Vistra Corp			NPDES	GROUND WATER	DRINKING WATER
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Address: see Section A	Purchase Order No.:			UST	RCRA	OTHER
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Quote Reference:	Project Name:			Site Location	IL	
Email To: Brian.Voelker@VistraCorp.com	Project Number: 2285	Project Manager:	Requested Due Date/TAT: 10 day			STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	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.	
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other
							MATRIX CODE	MATRIX CODE	MATRIX CODE	MATRIX CODE	MATRIX CODE	MATRIX CODE	MATRIX CODE					MATRIX CODE
1	OW-156	DRINKING WATER DW														N/A		
2	OW-157	WATER WT	11/2/23	1332												N/A		
3	OW-256	WASTE WATER WW				2	2									23101245-028		
4	OW-257	PRODUCT P				2	2									029		
5	PZ-170	SOILSOLID SL				2	2									030		
6	PZ-182	OIL OL				2	2									031		
7	TPZ-164	WIFE WP														N/A		
8	XPW01	AIR AR														N/A		
9	XPW05	OTHER OT														N/A		
10	XPW06	TISSUE TS														N/A		
11	Field Blank					2	2									23101245-032		
12	MW-304 Duplicate					2	2									033		
13																		
14																		
15																		
16																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
BAL-23Q4 Rev 0 Bal 226/228, only.	Tracy Carroll	11/9/23	1735	John	11/14/23	1735	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: Tracy Carroll					
SIGNATURE of SAMPLER: Tracy Carroll	DATE Signed (MM/DD/YY): 11/1/23				

2312245
Page: 1 of 3

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:		REGULATORY AGENCY	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston		NPDES GROUND WATER DRINKING WATER	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		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 PRODUCT P SOIL/SOLID SL OIL OL WPE 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							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	Analysis Test ↓							
																		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605			BAL-CLOSURE-605
1	MW-104DR																					N/A		
2	MW-104SR																					N/A		
3	MW-150				11/3/23	1015	2	2														2312245-001		
4	MW-151						2	2														002		
5	MW-152						2	2														003		
6	MW-153				11/3/23	1209	2	2														004		
7	MW-154																					N/A		
8	MW-155																					N/A		
9	MW-192						2	2														2312245-005		
10	MW-193						2	2														006		
11	MW-252						2	2														007		
12	MW-253				11/3/23	1233	2	2														008		
13	MW-304						2	2														009		
14	MW-306				11/3/23	0927	2	2														010		
15	MW-350				11/3/23	1042	2	2														011		
16	MW-352						2	2														012		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-23Q4 Rev 0 Revised 1/23 only	<i>[Signature]</i>	11/3/23	1400	<i>[Signature]</i>	11/3/23	1400	Temp in Ice (Y/N)	Received on ice (Y/N)	Custom Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <i>Troy Carol</i>	DATE Signed (MM/DD/YY): 11/3/23
SIGNATURE of SAMPLER: <i>[Signature]</i>	

PH 9019 LHM FOR UT/MS

23101245

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:		REGULATORY AGENCY		
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston		NPDES GROUND WATER DRINKING WATER		
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER		
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A		Site Location		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Project No / Lab I.D.		
Requested Due Date/TAT: 10 day		Project Number: 2285		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 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	OW-156																			
2	OW-157																			
3	OW-256						2		2								23101245-028			
4	OW-257						2		2								029			
5	PZ-170						2		2								030			
6	PZ-182						2		2								031			
7	TPZ-164																032			
8	XPW01																033			
9	XPW05																034			
10	XPW06																035			
11	Field Blank				11/3/23	1212	2		2								23101245-032			
12	MW-304 Duplicate						2		2								033			
13																				
14																				
15																				
16																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
BAL-23Q4 Rev 0 <i>BAL-23Q4/228 only</i>	<i>Juan Garcia</i>	11/3/23	1400	<i>Kim Edmiaston</i>	11/3/23	1400	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: <i>Juan Garcia</i>							
SIGNATURE of SAMPLER: <i>Juan Garcia</i>			DATE Signed (MM/DD/YY): <i>11/3/23</i>				

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/7/2023 2:45:28 PM

JOB DESCRIPTION

Radium-226 and Radium-228
23101245

JOB NUMBER

160-52085-1

Eurofins St. Louis

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



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12/7/2023 2:45:28 PM

Authorized for release by
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Case Narrative

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Job ID: 160-52085-1

Laboratory: Eurofins St. Louis

Narrative

Job Narrative 160-52085-1

Receipt

The samples were received on 11/6/2023 12:40 PM. Unless otherwise noted below, the samples arrived in good condition and properly preserved. The temperatures of the 4 coolers at receipt time were 19.9°C, 20.0°C, 20.2°C and 20.3°C

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of 7: 23101245-014 (160-52085-14) and 23101245-024 (160-52085-24). The samples were preserved to the appropriate pH in the laboratory.

Gas Flow Proportional Counter

Radium-228 batch 635821

The detection goal was not met for the following sample(s). Samples were prepped at a reduced volume due to the presence of matrix interferences: 23101245-023 (160-52085-23) and 23101245-024 (160-52085-24). Analytical results are reported with the detection limit achieved.

Radium-228 batch 635823

The detection goal was not met for the following sample(s). Samples were prepped at a reduced volume due to the presence of matrix interferences: 23101245-003 (160-52085-3) and 23101245-020 (160-52085-20). Analytical results are reported with the detection limit achieved.

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

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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

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23101245
Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35255 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.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	RA226/228
	23101245-001	11/03/2023 1015	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-002	10/31/2023 1036	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-003	10/31/2023 1145	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-004	11/03/2023 1209	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-005	10/31/2023 1241	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-006	10/31/2023 1428	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-007	10/31/2023 1237	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-008	11/03/2023 1233	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-009	11/01/2023 1034	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-010	11/03/2023 0927	HNO3	Groundwater	<input checked="" type="checkbox"/>
	23101245-011	11/03/2023 1042	HNO3	Groundwater	<input checked="" type="checkbox"/>



Relinquished By	Date/Time	Received By	Date/Time
Steve Swartz	11/01/23	M. P. Mette	11/14/23
			11/23/23
			11/24/23

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



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

Cooler Temp: Sampler: QC Level: 2

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project#: 23101245

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Standad TAT Billing/PO: 85255

Requested Due Date: Phone: 618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23101245-023	11/02/2023 1416	HNO3	Groundwater
	23101245-024	11/03/2023 1008	HNO3	Groundwater
	23101245-025	10/31/2023 1332	HNO3	Groundwater
	23101245-026	10/31/2023 1503	HNO3	Groundwater
	23101245-027	11/01/2023 1314	HNO3	Groundwater
	23101245-028	10/31/2023 1202	HNO3	Groundwater
	23101245-029	10/31/2023 0948	HNO3	Groundwater
	23101245-030	10/31/2023 1017	HNO3	Groundwater
	23101245-031	10/31/2023 1057	HNO3	Groundwater
	23101245-032	11/03/2023 1212	HNO3	Groundwater
	23101245-033	11/01/2023 1034	HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>	11/02/23	<i>M. Pruetto</i>	11/23/23 1240

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SubCocRevA
3/2/2016



Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52085-1

SDG Number: 23101245

Login Number: 52085

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Sample 14 & 24 preserved upon arrival.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Job ID: 160-52085-1
 SDG: 23101245



Definitions/Glossary

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.
α	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

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Sample Summary

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

Job ID: 160-52085-1
SDG: 23101245

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52085-1	23101245-001	Water	11/03/23 10:15	11/06/23 12:40
160-52085-2	23101245-002	Water	10/31/23 10:36	11/06/23 12:40
160-52085-3	23101245-003	Water	10/31/23 11:45	11/06/23 12:40
160-52085-4	23101245-004	Water	11/03/23 12:09	11/06/23 12:40
160-52085-5	23101245-005	Water	10/31/23 12:41	11/06/23 12:40
160-52085-6	23101245-006	Water	10/31/23 14:28	11/06/23 12:40
160-52085-7	23101245-007	Water	10/31/23 12:37	11/06/23 12:40
160-52085-8	23101245-008	Water	11/03/23 12:33	11/06/23 12:40
160-52085-9	23101245-009	Water	11/01/23 10:34	11/06/23 12:40
160-52085-10	23101245-010	Water	11/03/23 09:27	11/06/23 12:40
160-52085-11	23101245-011	Water	11/03/23 10:42	11/06/23 12:40
160-52085-12	23101245-012	Water	10/31/23 12:49	11/06/23 12:40
160-52085-13	23101245-013	Water	11/02/23 09:42	11/06/23 12:40
160-52085-14	23101245-014	Water	11/01/23 12:05	11/06/23 12:40
160-52085-15	23101245-015	Water	11/02/23 15:15	11/06/23 12:40
160-52085-16	23101245-016	Water	11/02/23 10:39	11/06/23 12:40
160-52085-17	23101245-017	Water	11/02/23 11:53	11/06/23 12:40
160-52085-18	23101245-018	Water	11/03/23 10:45	11/06/23 12:40
160-52085-19	23101245-019	Water	11/03/23 11:11	11/06/23 12:40
160-52085-20	23101245-020	Water	11/02/23 12:49	11/06/23 12:40
160-52085-21	23101245-021	Water	11/01/23 14:13	11/06/23 12:40
160-52085-22	23101245-022	Water	11/01/23 15:20	11/06/23 12:40
160-52085-23	23101245-023	Water	11/02/23 14:16	11/06/23 12:40
160-52085-24	23101245-024	Water	11/03/23 10:08	11/06/23 12:40
160-52085-25	23101245-025	Water	10/31/23 13:32	11/06/23 12:40
160-52085-26	23101245-026	Water	10/31/23 15:03	11/06/23 12:40
160-52085-27	23101245-027	Water	11/01/23 13:14	11/06/23 12:40
160-52085-28	23101245-028	Water	10/31/23 12:02	11/06/23 12:40
160-52085-29	23101245-029	Water	10/31/23 09:48	11/06/23 12:40
160-52085-30	23101245-030	Water	10/31/23 10:17	11/06/23 12:40
160-52085-31	23101245-031	Water	10/31/23 10:57	11/06/23 12:40
160-52085-32	23101245-032	Water	11/03/23 12:12	11/06/23 12:40
160-52085-33	23101245-033	Water	11/01/23 10:34	11/06/23 12:40



Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-001

Date Collected: 11/03/23 10:15

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0771	U	0.343	0.343	1.00	0.640	pCi/L	11/08/23 09:04	12/06/23 21:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/08/23 09:04	12/06/23 21:12	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	0.370	U	0.533	0.534	1.00	0.898	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	77.0		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.447	U	0.634	0.635	5.00	0.898	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-002

Date Collected: 10/31/23 10:36

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.284	U	0.270	0.271	1.00	0.416	pCi/L	11/08/23 09:04	12/06/23 21:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					11/08/23 09:04	12/06/23 21:43	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	0.518	0.519	1.00	0.889	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	78.1		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.573	U	0.584	0.585	5.00	0.889	pCi/L		12/07/23 12:58	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-003

Lab Sample ID: 160-52085-3

Date Collected: 10/31/23 11:45

Matrix: Water

Date Received: 11/06/23 12:40

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	0.188	U	0.371	0.371	1.00	0.659	pCi/L	11/08/23 09:04	12/06/23 21:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					11/08/23 09:04	12/06/23 21:43	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	1.18	G	0.772	0.779	1.00	1.15	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	78.9		30 - 110					11/08/23 09:08	12/06/23 11:44	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	1.37		0.857	0.863	5.00	1.15	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-004

Lab Sample ID: 160-52085-4

Date Collected: 11/03/23 12:09

Matrix: Water

Date Received: 11/06/23 12:40

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	0.0828	U	0.186	0.186	1.00	0.343	pCi/L	11/08/23 09:04	12/06/23 21:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					11/08/23 09:04	12/06/23 21:43	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	0.412	U	0.411	0.413	1.00	0.661	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	81.1		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.495	U	0.451	0.453	5.00	0.661	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-005

Date Collected: 10/31/23 12:41

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.184	U	0.229	0.229	1.00	0.377	pCi/L	11/08/23 09:04	12/06/23 21:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					11/08/23 09:04	12/06/23 21:45	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	1.10		0.615	0.623	1.00	0.882	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	77.4		30 - 110					11/08/23 09:08	12/06/23 11:44	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	1.28		0.656	0.664	5.00	0.882	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-006

Date Collected: 10/31/23 14:28

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.118	U	0.162	0.162	1.00	0.273	pCi/L	11/08/23 09:04	12/06/23 21:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					11/08/23 09:04	12/06/23 21:45	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	0.336	0.337	1.00	0.582	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	81.9		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.373	0.374	5.00	0.582	pCi/L		12/07/23 12:58	1

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ATTACHMENT B.
Client Sample Results 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-007

Lab Sample ID: 160-52085-7

Date Collected: 10/31/23 12:37

Matrix: Water

Date Received: 11/06/23 12:40

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	0.232	U	0.239	0.240	1.00	0.375	pCi/L	11/08/23 09:04	12/06/23 21:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					11/08/23 09:04	12/06/23 21:46	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	0.600	U	0.451	0.454	1.00	0.682	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	80.4		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.832		0.510	0.514	5.00	0.682	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-008

Lab Sample ID: 160-52085-8

Date Collected: 11/03/23 12:33

Matrix: Water

Date Received: 11/06/23 12:40

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	0.242	U	0.198	0.199	1.00	0.291	pCi/L	11/08/23 09:04	12/06/23 21:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					11/08/23 09:04	12/06/23 21:46	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	0.0410	U	0.286	0.286	1.00	0.525	pCi/L	11/08/23 09:08	12/06/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					11/08/23 09:08	12/06/23 11:44	1
Y Carrier	84.5		30 - 110					11/08/23 09:08	12/06/23 11:44	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	0.283	U	0.348	0.348	5.00	0.525	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-009

Date Collected: 11/01/23 10:34

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.156	0.157	1.00	0.254	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		30 - 110					11/08/23 09:04	12/06/23 21:49	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	0.380	U	0.334	0.336	1.00	0.521	pCi/L	11/08/23 09:08	12/06/23 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		30 - 110					11/08/23 09:08	12/06/23 11:48	1
Y Carrier	80.4		30 - 110					11/08/23 09:08	12/06/23 11:48	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	0.510	U	0.369	0.371	5.00	0.521	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-010

Date Collected: 11/03/23 09:27

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0469	U	0.146	0.146	1.00	0.284	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					11/08/23 09:04	12/06/23 21:49	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	-0.00611	U	0.327	0.327	1.00	0.631	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	72.9		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.0469	U	0.358	0.358	5.00	0.631	pCi/L		12/07/23 12:59	1

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ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Client Sample Results

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-011

Lab Sample ID: 160-52085-11

Date Collected: 11/03/23 10:42

Matrix: Water

Date Received: 11/06/23 12:40

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	0.779		0.300	0.308	1.00	0.309	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					11/08/23 09:04	12/06/23 21:49	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	0.773		0.418	0.424	1.00	0.585	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	77.0		30 - 110					11/08/23 09:08	12/06/23 11:47	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	1.55		0.515	0.524	5.00	0.585	pCi/L		12/07/23 12:59	1

Client Sample ID: 23101245-012

Lab Sample ID: 160-52085-12

Date Collected: 10/31/23 12:49

Matrix: Water

Date Received: 11/06/23 12:40

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	0.244	U	0.223	0.224	1.00	0.343	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					11/08/23 09:04	12/06/23 21:49	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	0.436	U	0.406	0.408	1.00	0.646	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	76.3		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.681		0.463	0.465	5.00	0.646	pCi/L		12/07/23 12:59	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-013

Date Collected: 11/02/23 09:42

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-13

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0429	U	0.148	0.148	1.00	0.287	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					11/08/23 09:04	12/06/23 21:49	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	0.311	U	0.408	0.409	1.00	0.679	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	80.4		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.354	U	0.434	0.435	5.00	0.679	pCi/L		12/07/23 12:59	1

Client Sample ID: 23101245-014

Date Collected: 11/01/23 12:05

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-14

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.308		0.219	0.220	1.00	0.291	pCi/L	11/08/23 09:04	12/06/23 21:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.0		30 - 110					11/08/23 09:04	12/06/23 21:49	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	0.648	U	0.469	0.473	1.00	0.708	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.0		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	72.5		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.956		0.518	0.522	5.00	0.708	pCi/L		12/07/23 12:59	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-015

Date Collected: 11/02/23 15:15

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0208	U	0.126	0.126	1.00	0.274	pCi/L	11/08/23 09:04	12/07/23 06:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					11/08/23 09:04	12/07/23 06:08	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	0.493	U	0.351	0.354	1.00	0.524	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	80.0		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.493	U	0.373	0.376	5.00	0.524	pCi/L		12/07/23 12:59	1

Client Sample ID: 23101245-016

Date Collected: 11/02/23 10:39

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.248	U	0.193	0.194	1.00	0.278	pCi/L	11/08/23 09:04	12/07/23 06:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					11/08/23 09:04	12/07/23 06:08	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	0.672		0.403	0.407	1.00	0.572	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	77.4		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.920		0.447	0.451	5.00	0.572	pCi/L		12/07/23 12:59	1

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ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Client Sample Results

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-017

Lab Sample ID: 160-52085-17

Date Collected: 11/02/23 11:53

Matrix: Water

Date Received: 11/06/23 12:40

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	0.439		0.214	0.218	1.00	0.249	pCi/L	11/08/23 09:04	12/07/23 06:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					11/08/23 09:04	12/07/23 06:08	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		0.425	0.438	1.00	0.524	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	83.0		30 - 110					11/08/23 09:08	12/06/23 11:47	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	1.58		0.476	0.489	5.00	0.524	pCi/L		12/07/23 12:59	1

Client Sample ID: 23101245-018

Lab Sample ID: 160-52085-18

Date Collected: 11/03/23 10:45

Matrix: Water

Date Received: 11/06/23 12:40

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	0.228	U	0.195	0.196	1.00	0.296	pCi/L	11/08/23 09:04	12/07/23 06:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/08/23 09:04	12/07/23 06:08	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	0.197	U	0.331	0.331	1.00	0.567	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	77.8		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.424	U	0.384	0.385	5.00	0.567	pCi/L		12/07/23 12:59	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-019

Date Collected: 11/03/23 11:11

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-19

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.246		0.176	0.177	1.00	0.241	pCi/L	11/08/23 09:04	12/07/23 06:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					11/08/23 09:04	12/07/23 06:09	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	0.189	U	0.305	0.306	1.00	0.523	pCi/L	11/08/23 09:08	12/06/23 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					11/08/23 09:08	12/06/23 11:47	1
Y Carrier	80.4		30 - 110					11/08/23 09:08	12/06/23 11:47	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	0.435	U	0.352	0.354	5.00	0.523	pCi/L		12/07/23 12:59	1

Client Sample ID: 23101245-020

Date Collected: 11/02/23 12:49

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-20

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.303	U	0.340	0.341	1.00	0.548	pCi/L	11/08/23 09:04	12/07/23 06:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					11/08/23 09:04	12/07/23 06:09	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	0.958	U G	0.726	0.731	1.00	1.11	pCi/L	11/08/23 09:08	12/06/23 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					11/08/23 09:08	12/06/23 11:46	1
Y Carrier	84.1		30 - 110					11/08/23 09:08	12/06/23 11:46	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	1.26		0.802	0.807	5.00	1.11	pCi/L		12/07/23 12:59	1

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ATTACHMENT B.
Client Sample Results 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-021

Lab Sample ID: 160-52085-21

Date Collected: 11/01/23 14:13

Matrix: Water

Date Received: 11/06/23 12:40

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	0.0745	U	0.124	0.125	1.00	0.217	pCi/L	11/08/23 08:58	12/06/23 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					11/08/23 08:58	12/06/23 07:36	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	0.265	U	0.339	0.339	1.00	0.563	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	77.8		30 - 110					11/08/23 09:03	12/04/23 11:51	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	0.340	U	0.361	0.361	5.00	0.563	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-022

Lab Sample ID: 160-52085-22

Date Collected: 11/01/23 15:20

Matrix: Water

Date Received: 11/06/23 12:40

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	0.182	U	0.169	0.170	1.00	0.263	pCi/L	11/08/23 08:58	12/06/23 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					11/08/23 08:58	12/06/23 07:36	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	0.695	U	0.476	0.480	1.00	0.713	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	76.6		30 - 110					11/08/23 09:03	12/04/23 11:51	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	0.877		0.505	0.509	5.00	0.713	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-023

Date Collected: 11/02/23 14:16

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-23

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.567		0.268	0.273	1.00	0.323	pCi/L	11/08/23 08:58	12/06/23 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					11/08/23 08:58	12/06/23 07:36	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	2.85	G	0.886	0.924	1.00	1.08	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	75.1		30 - 110					11/08/23 09:03	12/04/23 11:51	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	3.42		0.926	0.963	5.00	1.08	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-024

Date Collected: 11/03/23 10:08

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-24

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.27		0.817	0.945	1.00	0.418	pCi/L	11/08/23 08:58	12/06/23 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.5		30 - 110					11/08/23 08:58	12/06/23 07:36	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	3.27	G	1.19	1.23	1.00	1.56	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.5		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	81.5		30 - 110					11/08/23 09:03	12/04/23 11:51	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	8.54		1.44	1.55	5.00	1.56	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-025

Date Collected: 10/31/23 13:32

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-25

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125	U	0.147	0.148	1.00	0.241	pCi/L	11/08/23 08:58	12/06/23 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					11/08/23 08:58	12/06/23 09:23	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	0.471	U	0.339	0.342	1.00	0.512	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	80.7		30 - 110					11/08/23 09:03	12/04/23 11:51	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	0.596		0.369	0.373	5.00	0.512	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-026

Date Collected: 10/31/23 15:03

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-26

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0178	U	0.163	0.163	1.00	0.314	pCi/L	11/08/23 08:58	12/06/23 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					11/08/23 08:58	12/06/23 09:23	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	0.469	U	0.470	0.472	1.00	0.756	pCi/L	11/08/23 09:03	12/04/23 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					11/08/23 09:03	12/04/23 11:50	1
Y Carrier	80.4		30 - 110					11/08/23 09:03	12/04/23 11:50	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	0.487	U	0.497	0.499	5.00	0.756	pCi/L		12/07/23 12:58	1

Eurofins St. Louis

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Client Sample Results

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-027

Lab Sample ID: 160-52085-27

Date Collected: 11/01/23 13:14

Matrix: Water

Date Received: 11/06/23 12:40

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	0.253		0.161	0.162	1.00	0.222	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.694		0.418	0.423	1.00	0.612	pCi/L	11/08/23 09:03	12/04/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					11/08/23 09:03	12/04/23 11:51	1
Y Carrier	77.4		30 - 110					11/08/23 09:03	12/04/23 11:51	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	0.947		0.448	0.453	5.00	0.612	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-028

Lab Sample ID: 160-52085-28

Date Collected: 10/31/23 12:02

Matrix: Water

Date Received: 11/06/23 12:40

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	0.333		0.165	0.168	1.00	0.203	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.464	U	0.370	0.373	1.00	0.572	pCi/L	11/08/23 09:03	12/04/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					11/08/23 09:03	12/04/23 11:52	1
Y Carrier	74.0		30 - 110					11/08/23 09:03	12/04/23 11:52	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	0.796		0.405	0.409	5.00	0.572	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-029

Date Collected: 10/31/23 09:48

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-29

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.430		0.222	0.225	1.00	0.276	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.367	U	0.443	0.444	1.00	0.731	pCi/L	11/08/23 09:03	12/04/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/08/23 09:03	12/04/23 11:53	1
Y Carrier	78.1		30 - 110					11/08/23 09:03	12/04/23 11:53	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	0.797		0.496	0.498	5.00	0.731	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-030

Date Collected: 10/31/23 10:17

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-30

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.185	U	0.147	0.148	1.00	0.219	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.445	U	0.341	0.344	1.00	0.520	pCi/L	11/08/23 09:03	12/04/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/08/23 09:03	12/04/23 11:53	1
Y Carrier	81.1		30 - 110					11/08/23 09:03	12/04/23 11:53	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	0.630		0.371	0.374	5.00	0.520	pCi/L		12/07/23 12:58	1

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Client Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Client Sample ID: 23101245-031

Date Collected: 10/31/23 10:57

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-31

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.165	U	0.135	0.136	1.00	0.202	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.417	U	0.348	0.350	1.00	0.542	pCi/L	11/08/23 09:03	12/04/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					11/08/23 09:03	12/04/23 11:53	1
Y Carrier	80.0		30 - 110					11/08/23 09:03	12/04/23 11:53	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	0.582		0.373	0.375	5.00	0.542	pCi/L		12/07/23 12:58	1

Client Sample ID: 23101245-032

Date Collected: 11/03/23 12:12

Date Received: 11/06/23 12:40

Lab Sample ID: 160-52085-32

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0210	U	0.113	0.113	1.00	0.219	pCi/L	11/08/23 08:58	12/06/23 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.835		0.430	0.437	1.00	0.583	pCi/L	11/08/23 09:03	12/04/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					11/08/23 09:03	12/04/23 11:53	1
Y Carrier	70.7		30 - 110					11/08/23 09:03	12/04/23 11:53	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	0.856		0.445	0.451	5.00	0.583	pCi/L		12/07/23 12:58	1

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ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Client Sample Results

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

Job ID: 160-52085-1
 SDG: 23101245

Client Sample ID: 23101245-033

Lab Sample ID: 160-52085-33

Date Collected: 11/01/23 10:34

Matrix: Water

Date Received: 11/06/23 12:40

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	0.199		0.137	0.138	1.00	0.188	pCi/L	11/08/23 08:58	12/06/23 09:24	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	88.9		30 - 110					11/08/23 08:58	12/06/23 09:24	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	0.746		0.390	0.396	1.00	0.531	pCi/L	11/08/23 09:03	12/04/23 11:53	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	88.9		30 - 110					11/08/23 09:03	12/04/23 11:53	1
Y Carrier	75.1		30 - 110					11/08/23 09:03	12/04/23 11:53	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	0.945		0.413	0.419	5.00	0.531	pCi/L		12/07/23 12:58	1

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-635819/1-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635819

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04535	U	0.142	0.142	1.00	0.259	pCi/L	11/08/23 08:58	12/06/23 07:39	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	96.3		30 - 110		11/08/23 08:58	12/06/23 07:39	1			

Lab Sample ID: LCS 160-635819/2-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635819

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	11.51		1.34	1.00	0.295	pCi/L	102	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	85.9		30 - 110						

Lab Sample ID: 160-52085-30 DU

Matrix: Water

Analysis Batch: 639678

Client Sample ID: 23101245-030

Prep Type: Total/NA

Prep Batch: 635819

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.185	U	0.1595	U	0.144	1.00	0.220	pCi/L	0.09	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	85.9		30 - 110							

Lab Sample ID: MB 160-635822/1-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635822

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04342	U	0.142	0.142	1.00	0.272	pCi/L	11/08/23 09:04	12/06/23 21:12	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.8		30 - 110		11/08/23 09:04	12/06/23 21:12	1			

Lab Sample ID: LCS 160-635822/2-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635822

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	9.536		1.27	1.00	0.418	pCi/L	84	75 - 125

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QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-635822/2-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635822

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.6		30 - 110

Lab Sample ID: 160-52085-8 DU

Matrix: Water

Analysis Batch: 639558

Client Sample ID: 23101245-008

Prep Type: Total/NA

Prep Batch: 635822

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.242	U	0.6052		0.262	1.00	0.277	pCi/L	0.79	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.6		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-635821/1-A

Matrix: Water

Analysis Batch: 639350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635821

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3655	U	0.326	0.328	1.00	0.514	pCi/L	11/08/23 09:03	12/04/23 11:49	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110	11/08/23 09:03	12/04/23 11:49	1
Y Carrier	81.5		30 - 110	11/08/23 09:03	12/04/23 11:49	1

Lab Sample ID: LCS 160-635821/2-A

Matrix: Water

Analysis Batch: 639350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635821

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.67	8.630		1.47	1.00	0.850	pCi/L	113	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.9		30 - 110
Y Carrier	73.3		30 - 110

Lab Sample ID: 160-52085-30 DU

Matrix: Water

Analysis Batch: 639350

Client Sample ID: 23101245-030

Prep Type: Total/NA

Prep Batch: 635821

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.445	U	0.5282	U	0.398	1.00	0.603	pCi/L	0.11	1

Eurofins St. Louis

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2023

BALDWIN, BOTTOM ASH POND

BAL-845-601

Job ID: 160-52085-1

SDG: 23101245

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Lab Sample ID: 160-52085-30 DU

Matrix: Water

Analysis Batch: 639350

Client Sample ID: 23101245-030

Prep Type: Total/NA

Prep Batch: 635821

Carrier	%Yield	DU	DU	Qualifier	Limits
Ba Carrier	85.9				30 - 110
Y Carrier	76.3				30 - 110

Lab Sample ID: MB 160-635823/1-A

Matrix: Water

Analysis Batch: 639677

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635823

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3683	U	0.320	0.322	1.00	0.503	pCi/L	11/08/23 09:08	12/06/23 11:44	1

Carrier	%Yield	MB	MB	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.8				30 - 110	11/08/23 09:08	12/06/23 11:44	1
Y Carrier	81.9				30 - 110	11/08/23 09:08	12/06/23 11:44	1

Lab Sample ID: LCS 160-635823/2-A

Matrix: Water

Analysis Batch: 639678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635823

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.66	7.820		1.17	1.00	0.624	pCi/L	102	75 - 125

Carrier	%Yield	LCS	LCS	Qualifier	Limits
Ba Carrier	88.6				30 - 110
Y Carrier	80.0				30 - 110

Lab Sample ID: 160-52085-8 DU

Matrix: Water

Analysis Batch: 639678

Client Sample ID: 23101245-008

Prep Type: Total/NA

Prep Batch: 635823

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.0410	U	0.5429	U	0.387	1.00	0.585	pCi/L	0.75	1

Carrier	%Yield	DU	DU	Qualifier	Limits
Ba Carrier	92.6				30 - 110
Y Carrier	83.7				30 - 110

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Job ID: 160-52085-1
SDG: 23101245

Rad

Prep Batch: 635819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52085-21	23101245-021	Total/NA	Water	PrecSep-21	
160-52085-22	23101245-022	Total/NA	Water	PrecSep-21	
160-52085-23	23101245-023	Total/NA	Water	PrecSep-21	
160-52085-24	23101245-024	Total/NA	Water	PrecSep-21	
160-52085-25	23101245-025	Total/NA	Water	PrecSep-21	
160-52085-26	23101245-026	Total/NA	Water	PrecSep-21	
160-52085-27	23101245-027	Total/NA	Water	PrecSep-21	
160-52085-28	23101245-028	Total/NA	Water	PrecSep-21	
160-52085-29	23101245-029	Total/NA	Water	PrecSep-21	
160-52085-30	23101245-030	Total/NA	Water	PrecSep-21	
160-52085-31	23101245-031	Total/NA	Water	PrecSep-21	
160-52085-32	23101245-032	Total/NA	Water	PrecSep-21	
160-52085-33	23101245-033	Total/NA	Water	PrecSep-21	
MB 160-635819/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-635819/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52085-30 DU	23101245-030	Total/NA	Water	PrecSep-21	

Prep Batch: 635821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52085-21	23101245-021	Total/NA	Water	PrecSep_0	
160-52085-22	23101245-022	Total/NA	Water	PrecSep_0	
160-52085-23	23101245-023	Total/NA	Water	PrecSep_0	
160-52085-24	23101245-024	Total/NA	Water	PrecSep_0	
160-52085-25	23101245-025	Total/NA	Water	PrecSep_0	
160-52085-26	23101245-026	Total/NA	Water	PrecSep_0	
160-52085-27	23101245-027	Total/NA	Water	PrecSep_0	
160-52085-28	23101245-028	Total/NA	Water	PrecSep_0	
160-52085-29	23101245-029	Total/NA	Water	PrecSep_0	
160-52085-30	23101245-030	Total/NA	Water	PrecSep_0	
160-52085-31	23101245-031	Total/NA	Water	PrecSep_0	
160-52085-32	23101245-032	Total/NA	Water	PrecSep_0	
160-52085-33	23101245-033	Total/NA	Water	PrecSep_0	
MB 160-635821/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635821/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52085-30 DU	23101245-030	Total/NA	Water	PrecSep_0	

Prep Batch: 635822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52085-1	23101245-001	Total/NA	Water	PrecSep-21	
160-52085-2	23101245-002	Total/NA	Water	PrecSep-21	
160-52085-3	23101245-003	Total/NA	Water	PrecSep-21	
160-52085-4	23101245-004	Total/NA	Water	PrecSep-21	
160-52085-5	23101245-005	Total/NA	Water	PrecSep-21	
160-52085-6	23101245-006	Total/NA	Water	PrecSep-21	
160-52085-7	23101245-007	Total/NA	Water	PrecSep-21	
160-52085-8	23101245-008	Total/NA	Water	PrecSep-21	
160-52085-9	23101245-009	Total/NA	Water	PrecSep-21	
160-52085-10	23101245-010	Total/NA	Water	PrecSep-21	
160-52085-11	23101245-011	Total/NA	Water	PrecSep-21	
160-52085-12	23101245-012	Total/NA	Water	PrecSep-21	
160-52085-13	23101245-013	Total/NA	Water	PrecSep-21	

QC Association Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Job ID: 160-52085-1
 SDG: 23101245

Rad (Continued)

Prep Batch: 635822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52085-14	23101245-014	Total/NA	Water	PrecSep-21	
160-52085-15	23101245-015	Total/NA	Water	PrecSep-21	
160-52085-16	23101245-016	Total/NA	Water	PrecSep-21	
160-52085-17	23101245-017	Total/NA	Water	PrecSep-21	
160-52085-18	23101245-018	Total/NA	Water	PrecSep-21	
160-52085-19	23101245-019	Total/NA	Water	PrecSep-21	
160-52085-20	23101245-020	Total/NA	Water	PrecSep-21	
MB 160-635822/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-635822/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52085-8 DU	23101245-008	Total/NA	Water	PrecSep-21	

Prep Batch: 635823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52085-1	23101245-001	Total/NA	Water	PrecSep_0	
160-52085-2	23101245-002	Total/NA	Water	PrecSep_0	
160-52085-3	23101245-003	Total/NA	Water	PrecSep_0	
160-52085-4	23101245-004	Total/NA	Water	PrecSep_0	
160-52085-5	23101245-005	Total/NA	Water	PrecSep_0	
160-52085-6	23101245-006	Total/NA	Water	PrecSep_0	
160-52085-7	23101245-007	Total/NA	Water	PrecSep_0	
160-52085-8	23101245-008	Total/NA	Water	PrecSep_0	
160-52085-9	23101245-009	Total/NA	Water	PrecSep_0	
160-52085-10	23101245-010	Total/NA	Water	PrecSep_0	
160-52085-11	23101245-011	Total/NA	Water	PrecSep_0	
160-52085-12	23101245-012	Total/NA	Water	PrecSep_0	
160-52085-13	23101245-013	Total/NA	Water	PrecSep_0	
160-52085-14	23101245-014	Total/NA	Water	PrecSep_0	
160-52085-15	23101245-015	Total/NA	Water	PrecSep_0	
160-52085-16	23101245-016	Total/NA	Water	PrecSep_0	
160-52085-17	23101245-017	Total/NA	Water	PrecSep_0	
160-52085-18	23101245-018	Total/NA	Water	PrecSep_0	
160-52085-19	23101245-019	Total/NA	Water	PrecSep_0	
160-52085-20	23101245-020	Total/NA	Water	PrecSep_0	
MB 160-635823/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635823/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52085-8 DU	23101245-008	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601
 Job ID: 160-52085-1
 SDG: 23101245

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

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-52085-1	23101245-001	79.3	
160-52085-2	23101245-002	85.2	
160-52085-3	23101245-003	92.6	
160-52085-4	23101245-004	94.6	
160-52085-5	23101245-005	83.0	
160-52085-6	23101245-006	93.3	
160-52085-7	23101245-007	94.3	
160-52085-8	23101245-008	94.3	
160-52085-8 DU	23101245-008	92.6	
160-52085-9	23101245-009	87.9	
160-52085-10	23101245-010	77.0	
160-52085-11	23101245-011	86.2	
160-52085-12	23101245-012	84.4	
160-52085-13	23101245-013	87.7	
160-52085-14	23101245-014	76.0	
160-52085-15	23101245-015	86.7	
160-52085-16	23101245-016	82.2	
160-52085-17	23101245-017	92.1	
160-52085-18	23101245-018	90.9	
160-52085-19	23101245-019	86.4	
160-52085-20	23101245-020	85.4	
160-52085-21	23101245-021	90.4	
160-52085-22	23101245-022	96.3	
160-52085-23	23101245-023	77.3	
160-52085-24	23101245-024	77.5	
160-52085-25	23101245-025	93.8	
160-52085-26	23101245-026	88.6	
160-52085-27	23101245-027	90.6	
160-52085-28	23101245-028	92.6	
160-52085-29	23101245-029	89.9	
160-52085-30	23101245-030	88.4	
160-52085-30 DU	23101245-030	85.9	
160-52085-31	23101245-031	93.1	
160-52085-32	23101245-032	85.2	
160-52085-33	23101245-033	88.9	
LCS 160-635819/2-A	Lab Control Sample	85.9	
LCS 160-635822/2-A	Lab Control Sample	88.6	
MB 160-635819/1-A	Method Blank	96.3	
MB 160-635822/1-A	Method Blank	97.8	

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-52085-1	23101245-001	79.3	77.0

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Job ID: 160-52085-1
SDG: 23101245

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-52085-2	23101245-002	85.2	78.1
160-52085-3	23101245-003	92.6	78.9
160-52085-4	23101245-004	94.6	81.1
160-52085-5	23101245-005	83.0	77.4
160-52085-6	23101245-006	93.3	81.9
160-52085-7	23101245-007	94.3	80.4
160-52085-8	23101245-008	94.3	84.5
160-52085-8 DU	23101245-008	92.6	83.7
160-52085-9	23101245-009	87.9	80.4
160-52085-10	23101245-010	77.0	72.9
160-52085-11	23101245-011	86.2	77.0
160-52085-12	23101245-012	84.4	76.3
160-52085-13	23101245-013	87.7	80.4
160-52085-14	23101245-014	76.0	72.5
160-52085-15	23101245-015	86.7	80.0
160-52085-16	23101245-016	82.2	77.4
160-52085-17	23101245-017	92.1	83.0
160-52085-18	23101245-018	90.9	77.8
160-52085-19	23101245-019	86.4	80.4
160-52085-20	23101245-020	85.4	84.1
160-52085-21	23101245-021	90.4	77.8
160-52085-22	23101245-022	96.3	76.6
160-52085-23	23101245-023	77.3	75.1
160-52085-24	23101245-024	77.5	81.5
160-52085-25	23101245-025	93.8	80.7
160-52085-26	23101245-026	88.6	80.4
160-52085-27	23101245-027	90.6	77.4
160-52085-28	23101245-028	92.6	74.0
160-52085-29	23101245-029	89.9	78.1
160-52085-30	23101245-030	88.4	81.1
160-52085-30 DU	23101245-030	85.9	76.3
160-52085-31	23101245-031	93.1	80.0
160-52085-32	23101245-032	85.2	70.7
160-52085-33	23101245-033	88.9	75.1
LCS 160-635821/2-A	Lab Control Sample	85.9	73.3
LCS 160-635823/2-A	Lab Control Sample	88.6	80.0
MB 160-635821/1-A	Method Blank	96.3	81.5
MB 160-635823/1-A	Method Blank	97.8	81.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

January 16, 2024

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



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

RE: BAL-23Q4 - Resample

WorkOrder: 24010574

Dear Eric Bauer:

TEKLAB, INC received 2 samples on 1/9/2024 2:47:00 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: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

This reporting package includes the following:

Cover Letter	1
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Sample Summary	9
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Receiving Check List	12
Chain of Custody	Appended

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-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: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

Cooler Receipt Temp: 4.6 °C

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

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4 - Resample
Lab ID: 24010574-001
Matrix: GROUNDWATER

Work Order: 24010574
Report Date: 16-Jan-24
Client Sample ID: MW-392
Collection Date: 01/09/2024 13:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.54	ft	1	01/09/2024 13:01	R341571
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	01/09/2024 13:01	R341571
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-28	mV	1	01/09/2024 13:01	R341571
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3260	µS/cm	1	01/09/2024 13:01	R341571
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.5	°C	1	01/09/2024 13:01	R341571
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.29	mg/L	1	01/09/2024 13:01	R341571
SW-846 9040B FIELD									
pH	*	0	1.00		7.56		1	01/09/2024 13:01	R341571
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020	J	0.0010	mg/L	5	01/12/2024 18:06	217189



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

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

Client: Ramboll
Client Project: BAL-23Q4 - Resample
Lab ID: 24010574-002
Matrix: GROUNDWATER

Work Order: 24010574
Report Date: 16-Jan-24

Client Sample ID: MW-393

Collection Date: 01/09/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.21	ft	1	01/09/2024 13:47	R341571
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	01/09/2024 13:47	R341571
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-166	mV	1	01/09/2024 13:47	R341571
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4090	µS/cm	1	01/09/2024 13:47	R341571
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.7	°C	1	01/09/2024 13:47	R341571
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	01/09/2024 13:47	R341571
SW-846 9040B FIELD									
pH	*	0	1.00		8.07		1	01/09/2024 13:47	R341571
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/12/2024 18:21	217189



Sample Summary

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24010574-001	MW-392	Groundwater	2	01/09/2024 13:01
24010574-002	MW-393	Groundwater	2	01/09/2024 13:47



Quality Control Results

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

STANDARD METHODS 2510 B FIELD

Batch R341571		SampType: LCS		Units µS/cm							
SampID: LCS-R341571-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.6	90	110	01/09/2024	

SW-846 9040B FIELD

Batch R341571		SampType: LCS		Units							
SampID: LCS-R341571-1											
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	01/09/2024	

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

Batch 217189		SampType: MBLK		Units mg/L							
SampID: MBLK-217189											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/12/2024	

Batch 217189		SampType: LCS		Units mg/L							
SampID: LCS-217189											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Thallium		0.0020		0.246	0.2500	0	98.5	85	115	01/12/2024	

Batch 217189		SampType: MS		Units mg/L							
SampID: 24010574-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Thallium		0.0020		0.233	0.2500	0	93.3	75	125	01/12/2024	

Batch 217189		SampType: MSD		Units mg/L							
SampID: 24010574-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Thallium		0.0020		0.239	0.2500	0	95.7	0.2332	2.58	01/12/2024	

Batch 217189		SampType: MS		Units mg/L							
SampID: 24010711-004DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Thallium		0.0020		0.236	0.2500	0	94.3	70	130	01/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

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

Batch	SampType	MSD	Units	mg/L	RPD Limit					
217189					20					
SampID: 24010711-004DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Thallium		0.0020		0.233	0.2500	0	93.1	0.2357	1.31	01/12/2024



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 24010574

Client Project: BAL-23Q4 - Resample

Report Date: 16-Jan-24

Carrier: Tracy Carroll

Received By: AMD

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

09-Jan-24

Amber Dilallo

On:

09-Jan-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes No Not Present Temp °C **4.6**
- 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 #90719. - amberdilallo - 1/9/2024 3:18:50 PM

Additional Nitric Acid (94914) was needed in MW-392 upon arrival at the laboratory. - amberdilallo - 1/9/2024 3:18:55 PM

Site Samping Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-104DR	Groundwater Sample	30.0	None	N	Clear	Good	Good	Good	Yes	Yes
002	MW-104SR	Groundwater Sample	30.0	None	N	Clear	Good	Good	Good	Yes	Yes
003	MW-150	Groundwater Sample	49.0	None	N	Clear	Good	Good	Good	Yes	Yes
004	MW-151	Groundwater Sample	38.0	None	E	Clear	Good	Good	Good	Yes	Yes
005	MW-152	Groundwater Sample	38.0	None	E	Clear	Good	Good	Good	Yes	Yes
006	MW-153	Groundwater Sample	53.0	None	S	Clear	Good	Good	Good	Yes	Yes
007	MW-154	Groundwater Sample	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
008	MW-155	Groundwater Sample	41.0	None	SE	Clear	Good	Good	Good	Yes	Yes
009	MW-192	Groundwater Sample	35.0	None	SE	Clear	Good	Good	Good	Yes	Yes
010	MW-193	Groundwater Sample	37.0	None	SE	Clear	Good	Good	Good	Yes	Yes
011	MW-252	Groundwater Sample	41.0	None	SE	Clear	Good	Good	Good	Yes	Yes
012	MW-253	Groundwater Sample	53.0	None	S	Clear	Good	Good	Good	Yes	Yes
013	MW-304	Groundwater Sample	30.0	None	N	Clear	Good	Other (see note)	Good	Yes	Yes
014	MW-306	Groundwater Sample	45.0	None	N	Clear	Good	Good	Good	Yes	Yes
015	MW-350	Groundwater Sample	49.0	None	N	Clear	Good	Good	Good	Yes	Yes
016	MW-352	Groundwater Sample	41.0	None	SE	Clear	Good	Good	Good	Yes	Yes
017	MW-355	Groundwater Sample	41.0	None	SE	Clear	Good	Good	Good	Yes	Yes
018	MW-356	Groundwater Sample	37.0	None	S	Clear	Good	Good	Good	Yes	Yes
019	MW-358	Groundwater Sample	32.0	None	N	Clear	Good	Good	Good	Yes	Yes
020	MW-366	Groundwater Sample	55.0	None	N	Clear	Good	Good	Good	Yes	Yes
021	MW-369	Groundwater Sample	40.0	None	N	Clear	Good	Good	Good	Yes	Yes
022	MW-370	Groundwater Sample	43.0	None	N	Clear	Good	Good	Good	Yes	Yes
023	MW-375	Groundwater Sample	50.0	None	S	Clear	Good	Good	Good	Yes	Yes
024	MW-377	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
025	MW-382	Groundwater Sample	45.0	None	N	Clear	Good	Good	Good	Yes	Yes
026	MW-383	Groundwater Sample	33.0	None	N	Clear	Good	Good	Good	Yes	Yes
027	MW-384	Groundwater Sample	33.0	None	N	Clear	Good	Good	Good	Yes	Yes
028	MW-390	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
029	MW-391	Groundwater Sample	49.0	None	S	Clear	Good	Good	Good	Yes	Yes
030	MW-392	Groundwater Sample	35.0	None	SE	Clear	Good	Good	Good	Yes	Yes
031	MW-393	Groundwater Sample	37.0	None	SE	Clear	Good	Good	Good	Yes	Yes
032	MW-394	Groundwater Sample	31.0	None	N	Clear	Good	Good	Good	Yes	Yes
033	OW-156	Stabilization Data Only	35.0	None	SE	Clear	Good	Good	Good	Yes	Yes
034	OW-157	Stabilization Data Only	47.0	None	N	Clear	Good	Good	Good	Yes	Yes
035	OW-256	Groundwater Sample	35.0	None	SE	Clear	Good	Good	Good	Yes	Yes



Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

**Groundwater Sampling Summary
 Baldwin- 4Q 2023**

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
036	OW-257	Groundwater Sample	34.0	None	E	Clear	Good	Good	Good	Yes	Yes
037	PZ-170	Groundwater Sample	34.0	None	SE	Clear	Good	Other (see note)	Good	Yes	Yes
038	PZ-182	Groundwater Sample	34.0	None	SE	Clear	Good	Good	Good	Yes	Yes
039	TPZ-164	DTW Only	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
040	XPW01	DTW Only	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
041	XPW05	DTW Only	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
042	XPW06	DTW Only	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
043	Field Blank	QA/QC Sample									
044	MW-304 Duplicate	QA/QC Sample	30.0	None	N	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
 Baldwin- 4Q 2023

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-104DR	JR	11/1/23 9:43	16.84	31.45	JR	11/1/2023	09:45	10:05	Bladder Pump	2"	5.0	250.0
002	MW-104SR	JR	11/1/23 9:43	Dry	18.02								
003	MW-150	JC	11/3/23 10:05	20.57	27.87	JC	1/3/2023	10:05	10:15	Bladder Pump	2"	2.0	200.0
004	MW-151	JC	10/31/23 10:22	7.64		JC	10/31/2023	10:24	10:36	Bladder Pump	2"	4.5	375.0
005	MW-152	JC	10/31/23 10:48	8.12	20.03	JC	10/31/2023	10:48	11:45	Bladder Pump	2"	11.0	193.0
006	MW-153	JR	11/3/23 11:54	17.91	23.40	JR	11/3/2023	11:55	12:09	Bladder Pump	2"	3.5	250.0
007	MW-154	TC	10/30/23 15:10	15.05	15.27								
008	MW-155	JC	10/31/23 13:43	Dry	23.38								
009	MW-192	JR	10/31/23 12:23	8.87		TAC	10/31/2023	12:24	12:41	Bladder Pump	2"	2.0	117.6
010	MW-193	JR	10/31/23 14:16	9.44		TAC	10/31/2023	14:17	14:28	Bladder Pump	2"	2.5	227.3
011	MW-252	JC	10/31/23 11:50	3.30	52.34	JC	10/31/2023	12:09	12:37	Submersible Pump	2"	7.0	250.0
012	MW-253	JR	11/3/23 12:12	18.62	38.18	JR	11/3/2023	12:23	12:33	Peristaltic Pump	2"	2.0	200.0
013	MW-304	JR	11/1/23 10:07	10.26		TAC	11/1/2023	10:14	10:34	Bladder Pump	2"	2.5	125.0
014	MW-306	JC	11/3/23 9:17	18.22		JC	11/3/2023	09:18	09:27	Bladder Pump	2"	1.0	111.1
015	MW-350	JC	11/3/23 10:12	24.47	49.31	JC	11/3/2023	10:26	10:42	Bladder Pump	2"	3.0	187.5
016	MW-352	JC	10/31/23 12:17	6.17	75.72	JC	10/31/2023	12:18	12:49	Bladder Pump	2"	4.0	129.0
017	MW-355	JC	10/31/23 13:42	24.96	35.41	JC	10/31/2023	13:42	13:52	Bladder Pump	2"	4.0	400.0
018	MW-356	JR	11/2/23 9:20	4.90		JR	11/2/2023	09:20	09:42	Bladder Pump	2"	3.0	136.4
019	MW-358	JR	11/1/23 11:47	27.96		TAC	11/1/2023	11:48	12:05	Bladder Pump	2"	2.0	117.6
020	MW-366	JR	11/2/23 14:52	19.02		JR	11/2/2023	14:53	15:15	Bladder Pump	2"	3.0	136.4
021	MW-369	JR	11/2/23 10:21	16.07		JR	11/2/2023	10:24	10:39	Bladder Pump	2"	2.0	133.3
022	MW-370	JR	11/2/23 11:34	19.19		JR	11/2/2023	11:35	11:53	Bladder Pump	2"	2.5	138.9
023	MW-375	JR	11/3/23 10:25	35.22		JR	11/3/2023	10:27	10:45	Bladder Pump	2"	2.5	138.9
024	MW-377	JC	11/3/23 10:58	6.85		JC	11/3/2023	10:59	11:11	Bladder Pump	2"	2.0	166.7
025	MW-382	JR	11/2/23 12:27	16.96		JR	11/2/2023	12:28	12:49	Bladder Pump	2"	2.5	119.0
026	MW-383	JR	11/1/23 13:53	20.14		JR	11/1/2023	13:54	14:13	Bladder Pump	2"	2.5	131.6
027	MW-384	JR	11/1/23 14:59	15.75		JR	11/1/2023	15:00	15:20	Bladder Pump	2"	2.5	125.0
028	MW-390	JR	11/2/23 13:45	10.02		JR	11/2/2023	13:47	14:16	Bladder Pump	2"	4.0	137.9
029	MW-391	TAC	11/3/23 9:39	67.72		JR	11/3/2023	09:40	10:08	Bladder Pump	2"	4.0	142.9
030	MW-392	JR	10/31/23 12:45	8.69		TAC	10/31/2023	13:15	13:32	Bladder Pump	2"	1.5	88.2
031	MW-393	JR	10/31/23 14:31	7.08		TAC	10/31/2023	14:47	15:03	Bladder Pump	2"	3.0	187.5
032	MW-394	JR	11/1/23 12:54	7.74		TAC	11/1/2023	12:55	13:14	Bladder Pump	2"	1.5	78.9
033	OW-156	TAC	10/31/23 12:15	10.11	20.43	TAC	10/31/2023	12:15	12:18	Bailer	2"		
034	OW-157	TAC	11/2/23 13:28	9.22	20.38	TAC	11/2/2023	13:28	13:32	Bailer	2"		
035	OW-256	TAC	10/31/23 11:41	13.31		JR	10/31/2023	11:47	12:02	Peristaltic Pump	2"	4.5	300.0

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
036	OW-257	JC	10/31/23 9:27	8.28		JC	10/31/2023	09:29	09:48	Submersible Pump	2"	4.0	210.5
037	PZ-170	TAC	10/31/23 9:54	18.92		TAC	10/31/2023	10:03	10:17	Submersible Pump	2"	5.0	357.1
038	PZ-182	TAC	10/31/23 10:33	19.72		TAC	10/31/2023	10:38	10:57	Submersible Pump	2"	10.0	526.3
039	TPZ-164	TAC	10/30/23 13:30	3.71									
040	XPW01	TAC	10/30/23 13:40	Dry									
041	XPW05	TAC	10/30/23 13:26	4.64									
042	XPW06	TAC	10/30/23 14:26	2.46									
043	Field Blank												
044	MW-304 Duplicate	JR	11/1/23 10:09	10.26		TAC	11/1/2023	10:14	10:34	Bladder Pump	2"	2.5	125.0

Site Samping Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-104DR	TAC	11/01/23	10:05	Low Flow	Yes	Clear	None	None	17.32	0.48
002	MW-104SR										
003	MW-150	JC	11/03/23	10:15	Low Flow	Yes	Clear	None	none	20.94	0.37
004	MW-151	JC	10/31/23	10:36	Low Flow	Yes	Clear	None	none	10.95	3.31
005	MW-152	JC	10/31/23	11:45	Low Flow	Yes	Cloudy	None	none	8.28	0.16
006	MW-153	TAC	11/03/23	12:09	Low Flow	Yes	Clear	None	None	18.69	0.78
007	MW-154										
008	MW-155										
009	MW-192	TAC	10/31/23	12:41	Low Flow	No	Clear	None	None	11.95	3.08
010	MW-193	TAC	10/31/23	14:28	Low Flow	No	Clear	None	None	9.44	0
011	MW-252	JC	10/31/23	12:37	Low Flow	Yes	Clear	None	none	18.72	15.42
012	MW-253	TAC	11/03/23	12:33	Low Flow	Yes	Clear	None	None	22.68	4.06
013	MW-304	TAC	11/01/23	10:34	Low Flow	Yes	Clear	None	None	13.10	2.84
014	MW-306	JC	11/03/23	09:27	Low Flow	Yes	Clear	None	none	19.90	1.68
015	MW-350	JC	11/03/23	10:42	Low Flow	Yes	Clear	Moderate	none	29.09	4.62
016	MW-352	JC	10/31/23	12:49	Low Flow	Yes	Clear	None	none	12.78	6.61
017	MW-355	JC	10/31/23	13:52	Low Flow	Yes	Clear	None	none	28.94	3.98
018	MW-356	TAC	11/02/23	09:42	Low Flow	No	Clear	Slight	None	7.26	2.36
019	MW-358	TAC	11/01/23	12:05	Low Flow	No	Clear	Slight	None	30.98	3.02
020	MW-366	TAC	11/02/23	15:15	Low Flow	No	Clear	None	None	23.51	4.49
021	MW-369	TAC	11/02/23	10:39	Low Flow	No	Clear	Moderate	None	18.41	2.34
022	MW-370	TAC	11/02/23	11:53	Low Flow	No	Clear	None	None	22.45	3.26
023	MW-375	TAC	11/03/23	10:45	Low Flow	No	Clear	None	None	38.98	3.76
024	MW-377	JC	11/03/23	11:11	Low Flow	Yes	Clear	None	none	8.40	1.55
025	MW-382	TAC	11/02/23	12:49	Low Flow	No	Clear	Slight	None	19.51	2.55
026	MW-383	TAC	11/01/23	14:13	Low Flow	No	Clear	None	None	23.79	3.65
027	MW-384	TAC	11/01/23	15:20	Low Flow	No	Clear	None	None	19.25	3.5
028	MW-390	TAC	11/02/23	14:16	Low Flow	No	Cloudy	Slight	Grey	13.97	3.95
029	MW-391	TAC	11/03/23	10:08	Low Flow	No	Clear	None	Clear		
030	MW-392	TAC	10/31/23	13:32	Low Flow	No	Clear	Slight	None	10.29	1.6
031	MW-393	TAC	10/31/23	15:03	Low Flow	No	Clear	Slight	None	12.75	5.67
032	MW-394	TAC	11/01/23	13:14	Low Flow	No	Clear	Strong	None	9.89	2.15
033	OW-156	TAC	10/31/23	12:18		No	Cloudy	Slight	Grey	10.79	0.68
034	OW-157	TAC	11/02/23	13:32		No	Cloudy	Slight	White	9.34	0.12
035	OW-256	TAC	10/31/23	12:02	Low Flow	No	Clear	Slight	None	14.71	1.4

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	OW-257	JC	10/31/23	09:48	Low Flow	No	Clear	Moderate	none	17.45	9.17
037	PZ-170	TAC	10/31/23	10:17	Low Flow	No	Clear	None	None	22.53	3.61
038	PZ-182	TAC	10/31/23	10:57	Low Flow	No	Slightly cloudy	Slight	None	19.78	0.06
039	TPZ-164										
040	XPW01										
041	XPW05										
042	XPW06										
043	Field Blank	TAC	11/03/23	12:15							
044	MW-304 Duplicate	TAC	11/01/23	10:34	Low Flow	Yes	Clear	None	Clear	13.10	2.84

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Summary
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	COMMENTS
001	MW-104DR	
002	MW-104SR	Insufficient water level to sample
003	MW-150	
004	MW-151	
005	MW-152	
006	MW-153	
007	MW-154	Dry- no sample
008	MW-155	Dry- no sample
009	MW-192	
010	MW-193	
011	MW-252	
012	MW-253	
013	MW-304	PVC need cut so lid and cap can fit properly
014	MW-306	
015	MW-350	
016	MW-352	
017	MW-355	
018	MW-356	
019	MW-358	
020	MW-366	
021	MW-369	
022	MW-370	
023	MW-375	
024	MW-377	
025	MW-382	
026	MW-383	
027	MW-384	
028	MW-390	
029	MW-391	Water level below top of pump. Went dry during fill. Waited and didn't recharge. Pulled pump and filled rest of bottles with bailer
030	MW-392	
031	MW-393	
032	MW-394	
033	OW-156	
034	OW-157	
035	OW-256	



Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
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**Groundwater Sampling Summary
 Baldwin- 4Q 2023**

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	COMMENTS
036	OW-257	
037	PZ-170	PVC need cut so lid and cap can fit properly
038	PZ-182	250ml/min
039	TPZ-164	
040	XPW01	
041	XPW05	
042	XPW06	
043	Field Blank	
044	MW-304 Duplicate	

Site Samping Event: Baldwin- 4Q 2023
LIMS Workorder: 23101244
Technician(s): JC, TC, BG, JR

Stabilized Field Parameters Summary
Baldwin- 4Q 2023

Well ID	Date	Time	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTB (ft)	DTW (ft)	LIMS ID		
MW-104DR	11/1/2023	10:05	15.2	59.36	6.88	987.0	1.26	0.77	34.2	31.45	16.84	23101244-001A		
MW-104SR	11/1/2023	9:43	Dry- No Sample									18.02	DRY	23101244-002A
MW-150	11/3/2023	10:15	13.6	56.48	7.11	1,873.3	3.03	3.49	-139	27.87	20.57	23101244-003A		
MW-151	10/31/2023	10:36	16.4	61.52	6.89	951.0	1.85	14.85	39.5		7.64	23101244-004A		
MW-152	10/31/2023	11:45	14.3	57.74	6.77	2,078.0	0.66	33.38	59.6	20.03	8.12	23101244-005A		
MW-153	11/3/2023	12:09	15.5	59.90	6.77	470.1	2.86	15.83	77.3	23.4	17.91	23101244-006A		
MW-154	10/30/2023	11:54	Dry- No Sample									15.27	15.05	23101244-007A
MW-155	10/30/2023	15:10	Dry- No Sample									23.38	dry	23101244-008A
MW-192	10/31/2023	12:41	16.3	61.34	6.78	774.4	1.26	23.02	-114.8		8.87	23101244-009A		
MW-193	10/31/2023	14:28	17.1	62.78	6.77	942.4	1.13	7.04	-53.8		9.44	23101244-010A		
MW-252	10/31/2023	12:37	13.5	56.30	6.81	1,574.8	0.80	39.57	-76.7	52.34	3.30	23101244-011A		
MW-253	11/3/2023	12:33	15.9	60.62	10.75	428.2	4.08	12.02	-34.9	38.18	18.62	23101244-012A		
MW-304	11/1/2023	10:34	15.3	59.54	7.81	2,371.7	0.80	1.66	-55.7		10.26	23101244-013A		
MW-306	11/3/2023	9:27	14.9	58.82	10.47	621.5	1.41	8.89	-172.8		18.22	23101244-014A		
MW-350	11/3/2023	10:42	13.7	56.66	8.39	735.7	1.26	4.24	-242.5	49.31	24.47	23101244-015A		
MW-352	10/31/2023	12:49	14.1	57.38	7.69	1,958.3	4.46	4.99	-97.9	75.72	6.17	23101244-016A		
MW-355	10/31/2023	13:52	13.7	56.66	7.17	797.6	1.74	2.16	-45.3	35.41	24.96	23101244-017A		
MW-356	11/2/2023	9:42	14.8	58.64	7.60	1,156.8	1.22	2.43	-21.1		4.90	23101244-018A		
MW-358	11/1/2023	12:05	14.6	58.28	7.89	5,630.7	1.65	55.3	-161.6		27.96	23101244-019A		
MW-366	11/2/2023	15:15	15.7	60.26	6.86	1,628.0	1.18	9.38	8.6		19.02	23101244-020A		
MW-369	11/2/2023	10:39	15.9	60.62	8.31	2,668.5	1.83	53.49	-147.5		16.07	23101244-021A		
MW-370	11/2/2023	11:53	15.8	60.44	7.61	5,860.2	0.80	2.78	-24.5		19.19	23101244-022A		
MW-375	11/3/2023	10:45	14.2	57.56	7.71	1,272.5	0.83	18.73	-3		35.22	23101244-023A		
MW-377	11/3/2023	11:11	16.6	61.88	7.23	1,063.4	1.47	4.92	-84.2		6.85	23101244-024A		
MW-382	11/2/2023	12:49	16.3	61.34	7.80	1,838.8	1.28	31.95	-67.8		16.96	23101244-025A		
MW-383	11/1/2023	14:13	17.5	63.50	7.58	1,519.8	0.82	1.98	-114		20.14	23101244-026A		
MW-384	11/1/2023	15:20	16.3	61.34	8.06	2,858.1	0.79	3.49	-99.2		15.75	23101244-027A		
MW-390	11/2/2023	14:16	16.6	61.88	7.16	1,457.7	1.37	100.96	-69.6		10.02	23101244-028A		
MW-391	11/3/2023	10:08	15.1	59.18	7.66	2,869.5	1.12	50.3	55.1		67.72	23101244-029A		
MW-392	10/31/2023	13:32	15.7	60.26	7.65	3,382.7	1.63	6.87	-144.3		8.69	23101244-030A		
MW-393	10/31/2023	15:03	17.1	62.78	8.19	4,142.1	0.71	7.09	-258.8		7.08	23101244-031A		
MW-394	11/1/2023	13:14	16.2	61.16	7.91	4,421.0	2.43	2.66	-258.4		7.74	23101244-032A		
OW-156	10/31/2023	12:18	16.7	62.06	6.61	905.2	5.63	140.31	2	20.43	10.11	23101244-033A		
OW-157	11/2/2023	13:32	17.1	62.78	6.27	4,192.2	4.09	98.29	-27.1	20.38	9.22	23101244-034A		
OW-256	10/31/2023	12:02	14.7	58.46	6.85	830.7	1.25	10.28	-65.3		13.31	23101244-035A		
OW-257	10/31/2023	9:48	13.4	56.12	6.78	1,048.2	1.30	77.69	-33		8.28	23101244-036A		
PZ-170	10/31/2023	10:17	15	59.00	6.51	1,616.5	0.97	4.31	-107.7		18.92	23101244-037A		
PZ-182	10/31/2023	10:57	15.5	59.90	6.56	1,258.8	0.70	8.87	-71.2		19.72	23101244-038A		
TPZ-164	10/30/2023	13:30	Dry- No Sample									3.71		23101244-039A
XPW01	10/30/2023	13:40	Dry- No Sample										Dry	23101244-040A
XPW05	10/30/2023	13:26	Dry- No Sample										4.64	23101244-041A
XPW06	10/30/2023	14:26	Dry- No Sample										2.46	23101244-042A
Field Blank	11/3/2023	12:15										23101244-043A		
MW-304 Duplicate	11/1/2023	10:34	15.3	59.54	7.81	2,371.7	0.80	1.66	-55.7		10.26	23101244-044A		

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104DR	11/1/2023	0959	16.84	15.3	59.54	6.86	1001.3	1001.3	1.61	0.75	42.8
MW-104DR	11/1/2023	1002	16.84	15.3	59.54	6.87	990.1	990.1	1.4	0.87	37.8
MW-104DR	11/1/2023	1005	16.84	15.2	59.36	6.88	987	987	1.26	0.77	34.2

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters

Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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MW-104SR

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-150	11/3/2023	1009	20.57	13.6	56.48	7.11	1881.1	1881.1	3.51	15.28	-180.6
MW-150	11/3/2023	1012	20.57	13.6	56.48	7.11	1874.2	1874.2	3.18	5.14	-154.3
MW-150	11/3/2023	1015	20.57	13.6	56.48	7.11	1873.3	1873.3	3.03	3.49	-139



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-151	10/31/2023	1030	7.64	16.1	60.98	6.89	911.8	911.8	2.49	28.21	32.1
MW-151	10/31/2023	1033	7.64	16.4	61.52	6.89	897.7	897.7	1.9	12.85	35
MW-151	10/31/2023	1036	7.64	16.4	61.52	6.89	951	951	1.85	14.85	39.5

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-152	10/31/2023	1103	8.12	14.5	58.1	6.76	2023.6	2023.6	1.26	431.08	30.5
MW-152	10/31/2023	1106	8.12	14.5	58.1	6.76	2040.3	2040.3	1.11	349.72	32.7
MW-152	10/31/2023	1109	8.12	14.5	58.1	6.76	2044.9	2044.9	1.01	273	35.2
MW-152	10/31/2023	1112	8.12	14.3	57.74	6.76	2049.6	2049.6	0.95	209.31	38.3
MW-152	10/31/2023	1115	8.12	14.5	58.1	6.76	2057.1	2057.1	0.89	166.58	41.2
MW-152	10/31/2023	1118	8.12	14.4	57.92	6.76	2062.4	2062.4	0.85	128.42	44.1
MW-152	10/31/2023	1121	8.12	14.3	57.74	6.76	2071	2071	0.81	107.88	46.8
MW-152	10/31/2023	1124	8.12	14.2	57.56	6.76	2073.2	2073.2	0.79	84.74	49.2
MW-152	10/31/2023	1127	8.12	14.2	57.56	6.77	2073.5	2073.5	0.76	74.62	51.4
MW-152	10/31/2023	1130	8.12	14.2	57.56	6.77	2077.7	2077.7	0.74	65.01	53.2
MW-152	10/31/2023	1133	8.12	14.3	57.74	6.77	2079.2	2079.2	0.72	58.32	54.8
MW-152	10/31/2023	1136	8.12	14.2	57.56	6.77	2083.5	2083.5	0.7	49.53	56.2
MW-152	10/31/2023	1139	8.12	14.2	57.56	6.77	2081.9	2081.9	0.69	41.79	57.4
MW-152	10/31/2023	1142	8.12	14.2	57.56	6.77	2080.4	2080.4	0.67	38.39	58.5
MW-152	10/31/2023	1145	8.12	14.3	57.74	6.77	2078	2078	0.66	33.38	59.6



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-153	11/3/2023	1203	17.91	15.5	59.9	6.72	466.8	466.8	2.82	12.73	72.3
MW-153	11/3/2023	1206	17.91	15.5	59.9	6.75	467.7	467.7	2.85	11.68	75.7
MW-153	11/3/2023	1209	17.91	15.5	59.9	6.77	470.1	470.1	2.86	15.83	77.3

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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MW-154

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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MW-155

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-192	10/31/2023	1232	8.87	16.7	62.06	6.8	781.8	781.8	1.49	22.56	-112.9
MW-192	10/31/2023	1235	8.87	14.6	58.28	6.82	779.9	779.9	1.4	20.23	-113.3
MW-192	10/31/2023	1238	8.87	16	60.8	6.79	768.4	768.4	1.36	16.64	-113.6
MW-192	10/31/2023	1241	8.87	16.3	61.34	6.78	774.4	774.4	1.26	23.02	-114.8

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-193	10/31/2023	1422	9.44	17.1	62.78	6.82	949.8	949.8	1.74	20.24	-60.1
MW-193	10/31/2023	1425	9.44	17.1	62.78	6.79	946	946	1.34	10.58	-56.6
MW-193	10/31/2023	1428	9.44	17.1	62.78	6.77	942.4	942.4	1.13	7.04	-53.8

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-252	10/31/2023	1216	3.3	13.4	56.12	6.84	1568.2	1568.2	2.44	73.51	-64.9
MW-252	10/31/2023	1219	3.3	13.2	55.76	6.83	1577.8	1577.8	1.78	62.52	-65.9
MW-252	10/31/2023	1222	3.3	12.8	55.04	6.82	1562.2	1562.2	1.48	53.46	-68.4
MW-252	10/31/2023	1225	3.3	13.8	56.84	6.81	1568.5	1568.5	1.23	40.75	-70.8
MW-252	10/31/2023	1228	3.3	13.9	57.02	6.8	1567.8	1567.8	1.05	30.49	-72.7
MW-252	10/31/2023	1231	3.3	13.3	55.94	6.81	1572.1	1572.1	0.94	24.96	-74.2
MW-252	10/31/2023	1234	3.3	13.8	56.84	6.8	1571.8	1571.8	0.86	23.53	-75.4
MW-252	10/31/2023	1237	3.3	13.5	56.3	6.81	1574.8	1574.8	0.8	39.57	-76.7



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-253	11/3/2023	1227	18.62	15.8	60.44	10.95	500.7	500.7	3.49	13.17	-42.7
MW-253	11/3/2023	1230	18.62	15.9	60.62	10.86	460.1	460.1	3.67	11.19	-40.7
MW-253	11/3/2023	1233	18.62	15.9	60.62	10.75	428.2	428.2	4.08	12.02	-34.9

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304	11/1/2023	1025	10.26	15.1	59.18	7.82	2360	2360	1.29	2.05	-68
MW-304	11/1/2023	1028	10.26	15.2	59.36	7.81	2365.1	2365.1	0.99	1.99	-61.6
MW-304	11/1/2023	1031	10.26	15.2	59.36	7.81	2370.9	2370.9	0.88	1.66	-58.1
MW-304	11/1/2023	1034	10.26	15.3	59.54	7.81	2371.7	2371.7	0.8	1.66	-55.7

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-306	11/3/2023	0921	18.22	14.7	58.46	9.84	486.7	486.7	3.55	5.71	26.4
MW-306	11/3/2023	0924	18.22	14.8	58.64	10.19	545.2	545.2	2.1	9.51	-101.7
MW-306	11/3/2023	0927	18.22	14.9	58.82	10.47	621.5	621.5	1.41	8.89	-172.8

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μ S/cm)	Sp Cond (μ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-350	11/3/2023	1030	24.47	13.4	56.12	11.29	574.1	574.1	7.41	4.7	-118.2
MW-350	11/3/2023	1033	24.47	13.6	56.48	9.43	603.2	603.2	4.51	5.28	-213.2
MW-350	11/3/2023	1036	24.47	13.6	56.48	8.82	690	690	2.68	6.35	-226.7
MW-350	11/3/2023	1039	24.47	13.6	56.48	8.43	737.1	737.1	1.63	5.34	-240.5
MW-350	11/3/2023	1042	24.47	13.7	56.66	8.39	735.7	735.7	1.26	4.24	-242.5

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-352	10/31/2023	1243	6.17	13.7	56.66	7.6	1957.3	1957.3	4.37	8.88	-89.1
MW-352	10/31/2023	1246	6.17	13.9	57.02	7.66	1958	1958	4.3	6.57	-95.2
MW-352	10/31/2023	1249	6.17	14.1	57.38	7.69	1958.3	1958.3	4.46	4.99	-97.9

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	10/31/2023	1346	24.96	13.6	56.48	7.27	803.6	803.6	3.56	35.4	-66.9
MW-355	10/31/2023	1349	24.96	13.6	56.48	7.2	796.7	796.7	2.28	6.46	-54.8
MW-355	10/31/2023	1352	24.96	13.7	56.66	7.17	797.6	797.6	1.74	2.16	-45.3

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-356	11/2/2023	0936	4.9	14.8	58.64	7.61	1193.8	1193.8	1.39	3.38	-23.5
MW-356	11/2/2023	0939	4.9	14.9	58.82	7.62	1180.2	1180.2	1.26	3.09	-22.5
MW-356	11/2/2023	0942	4.9	14.8	58.64	7.6	1156.8	1156.8	1.22	2.43	-21.1

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-358	11/1/2023	1159	27.96	14.6	58.28	7.85	5590.4	5590.4	1.83	24.77	-155.1
MW-358	11/1/2023	1202	27.96	14.6	58.28	7.88	5628.9	5628.9	1.67	32.09	-159
MW-358	11/1/2023	1205	27.96	14.6	58.28	7.89	5630.7	5630.7	1.65	55.3	-161.6

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-366	11/2/2023	1503	19.02	15.6	60.08	6.86	1694.2	1694.2	1.67	11.35	-0.5
MW-366	11/2/2023	1506	19.02	15.6	60.08	6.86	1673.7	1673.7	1.51	9.8	3.4
MW-366	11/2/2023	1509	19.02	15.6	60.08	6.86	1659.8	1659.8	1.38	9.03	5.9
MW-366	11/2/2023	1512	19.02	15.7	60.26	6.86	1643.8	1643.8	1.26	8.94	7.5
MW-366	11/2/2023	1515	19.02	15.7	60.26	6.86	1628	1628	1.18	9.38	8.6

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μ S/cm)	Sp Cond (μ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-369	11/2/2023	1033	16.07	15.6	60.08	8.19	2863.2	2863.2	2.22	41.31	-149.4
MW-369	11/2/2023	1036	16.07	15.8	60.44	8.26	2778.5	2778.5	1.95	48.57	-149.3
MW-369	11/2/2023	1039	16.07	15.9	60.62	8.31	2668.5	2668.5	1.83	53.49	-147.5

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-370	11/2/2023	1144	19.19	15.7	60.26	7.64	5874	5874	1.4	5.27	-12.7
MW-370	11/2/2023	1147	19.19	15.8	60.44	7.62	5867.8	5867.8	1.04	3.88	-18.1
MW-370	11/2/2023	1150	19.19	15.8	60.44	7.61	5865.6	5865.6	0.88	2.76	-21.7
MW-370	11/2/2023	1153	19.19	15.8	60.44	7.61	5860.2	5860.2	0.8	2.78	-24.5

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-375	11/3/2023	1036	35.22	14.2	57.56	7.71	1333.9	1333.9	1.31	10.23	-25.3
MW-375	11/3/2023	1039	35.22	14.2	57.56	7.71	1308.8	1308.8	1.04	12.41	-15
MW-375	11/3/2023	1042	35.22	14.2	57.56	7.71	1288.1	1288.1	0.9	14.22	-7.9
MW-375	11/3/2023	1045	35.22	14.2	57.56	7.71	1272.5	1272.5	0.83	18.73	-3

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
 Baldwin- 4Q 2023**

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-377	11/3/2023	1102	6.85	15.7	60.26	7.46	1018.9	1018.9	4.88	4.47	-70.1
MW-377	11/3/2023	1105	6.85	16	60.8	7.29	1047	1047	3.04	5.35	-76
MW-377	11/3/2023	1108	6.85	16.4	61.52	7.25	1061.6	1061.6	2.03	5.71	-81.9
MW-377	11/3/2023	1111	6.85	16.6	61.88	7.23	1063.4	1063.4	1.47	4.92	-84.2

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-382	11/2/2023	1240	16.96	16.3	61.34	7.88	1947.4	1947.4	1.7	39.92	-89
MW-382	11/2/2023	1243	16.96	16.3	61.34	7.86	1896.6	1896.6	1.46	29.77	-79.1
MW-382	11/2/2023	1246	16.96	16.2	61.16	7.83	1863.3	1863.3	1.31	25.91	-72.1
MW-382	11/2/2023	1249	16.96	16.3	61.34	7.8	1838.8	1838.8	1.28	31.95	-67.8

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-383	11/1/2023	1404	20.14	17.6	63.68	7.62	1522.5	1522.5	1.17	2.55	-118.3
MW-383	11/1/2023	1407	20.14	17.5	63.5	7.6	1520.1	1520.1	0.93	2.06	-116.3
MW-383	11/1/2023	1410	20.14	17.6	63.68	7.58	1518.6	1518.6	0.87	2.07	-114.9
MW-383	11/1/2023	1413	20.14	17.5	63.5	7.58	1519.8	1519.8	0.82	1.98	-114

Site Sampling Event: Baldwin- 4Q 2023

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Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-384	11/1/2023	1511	15.75	16.5	61.7	8.05	2852.2	2852.2	1.17	5.65	-88.5
MW-384	11/1/2023	1514	15.75	16.5	61.7	8.06	2857.9	2857.9	0.95	3.88	-93.7
MW-384	11/1/2023	1517	15.75	16.4	61.52	8.06	2857.5	2857.5	0.86	4.07	-97
MW-384	11/1/2023	1520	15.75	16.3	61.34	8.06	2858.1	2858.1	0.79	3.49	-99.2



Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
 Baldwin- 4Q 2023**

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-390	11/2/2023	1407	10.02	16.1	60.98	7.24	2158.1	2158.1	1.83	66.16	-86.4
MW-390	11/2/2023	1410	10.02	16.2	61.16	7.21	1815.5	1815.5	1.59	80.9	-78.6
MW-390	11/2/2023	1413	10.02	16.4	61.52	7.18	1614.6	1614.6	1.45	90.81	-73.2
MW-390	11/2/2023	1416	10.02	16.6	61.88	7.16	1457.7	1457.7	1.37	100.96	-69.6

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-391	11/3/2023	0950	67.72	15.1	59.18	7.48	2843.1	2843.1	3.42	70.1	76.5
MW-391	11/3/2023	0953	67.72	15.1	59.18	7.48	2833.7	2833.7	3.22	82.1	74
MW-391	11/3/2023	0956	67.72	15.1	59.18	7.51	2834.7	2834.7	2.49	81.26	70.4
MW-391	11/3/2023	0959	67.72	15.1	59.18	7.54	2837.9	2837.9	1.92	69.6	66.6
MW-391	11/3/2023	1002	67.72	15.2	59.36	7.57	2842.2	2842.2	1.52	57.08	62.9
MW-391	11/3/2023	1005	67.72	15.1	59.18	7.62	2853.7	2853.7	1.25	53.96	58.8
MW-391	11/3/2023	1008	67.72	15.1	59.18	7.66	2869.5	2869.5	1.12	50.3	55.1

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-392	10/31/2023	1326	8.69	16.3	61.34	7.65	3347	3347	1.76	4.31	-138.7
MW-392	10/31/2023	1329	8.69	16.1	60.98	7.65	3360.9	3360.9	1.85	3.65	-142.7
MW-392	10/31/2023	1332	8.69	15.7	60.26	7.65	3382.7	3382.7	1.63	6.87	-144.3

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-393	10/31/2023	1454	7.08	17.1	62.78	8.19	3907.9	3907.9	1.38	17.32	-247.9
MW-393	10/31/2023	1457	7.08	17.2	62.96	8.19	4085.6	4085.6	0.96	13.02	-251.2
MW-393	10/31/2023	1500	7.08	17.2	62.96	8.19	4129.8	4129.8	0.8	9.51	-254.9
MW-393	10/31/2023	1503	7.08	17.1	62.78	8.19	4142.1	4142.1	0.71	7.09	-258.8

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-394	11/1/2023	1302	7.74	17	62.6	7.76	3083	3083	2.31	3.3	-221.4
MW-394	11/1/2023	1305	7.74	16.8	62.24	7.81	3477.1	3477.1	2.06	3.18	-239
MW-394	11/1/2023	1308	7.74	16.4	61.52	7.87	4233.1	4233.1	2.49	3.33	-245.7
MW-394	11/1/2023	1311	7.74	16.3	61.34	7.89	4335.9	4335.9	2.53	2.96	-252.3
MW-394	11/1/2023	1314	7.74	16.2	61.16	7.91	4421	4421	2.43	2.66	-258.4

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μ S/cm)	Sp Cond (μ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-156	10/31/2023	1218	10.11	16.7	62.06	6.61	905.2	905.2	5.63	140.31	2



Site Sampling Event: Baldwin- 4Q 2023
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**Groundwater Sampling Field Form- Groundwater Quality Parameters
 Baldwin- 4Q 2023**

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-157	11/2/2023	1332	9.22	17.1	62.78	6.27	4192.2	4192.2	4.09	98.29	-27.1



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Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-256	10/31/2023	1156	13.31	14.8	58.64	6.91	797.4	797.4	1.62	24.93	-72.9
OW-256	10/31/2023	1159	13.31	14.8	58.64	6.86	826.1	826.1	1.39	15.05	-68.1
OW-256	10/31/2023	1202	13.31	14.7	58.46	6.85	830.7	830.7	1.25	10.28	-65.3

Site Sampling Event: Baldwin- 4Q 2023

Groundwater Sampling Field Form- Groundwater Quality Parameters

LIMS Workorder: 23101244

Baldwin- 4Q 2023

Technician(s): JC, TC, BG, JR

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-257	10/31/2023	0936	8.28	13.1	55.58	6.71	1068.7	1068.7	2.05	140.99	-4.8
OW-257	10/31/2023	0939	8.28	12.7	54.86	6.74	1070.7	1070.7	1.76	112.28	-9.5
OW-257	10/31/2023	0942	8.28	11.8	53.24	6.76	1083.9	1083.9	1.59	109.17	-13.8
OW-257	10/31/2023	0945	8.28	12.4	54.32	6.77	1059.6	1059.6	1.42	76.9	-26
OW-257	10/31/2023	0948	8.28	13.4	56.12	6.78	1048.2	1048.2	1.3	77.69	-33

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-170	10/31/2023	1011	18.92	15.2	59.36	6.47	1628.7	1628.7	1.23	6.72	-99.8
PZ-170	10/31/2023	1014	18.92	15.6	60.08	6.49	1610.1	1610.1	1.07	4.76	-103.9
PZ-170	10/31/2023	1017	18.92	15	59	6.51	1616.5	1616.5	0.97	4.31	-107.7

Site Sampling Event: Baldwin- 4Q 2023

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Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-182	10/31/2023	1051	19.72	15.4	59.72	6.55	1267.6	1267.6	0.85	24.12	-84.4
PZ-182	10/31/2023	1054	19.72	15.4	59.72	6.55	1266.2	1266.2	0.76	14.25	-78.2
PZ-182	10/31/2023	1057	19.72	15.5	59.9	6.56	1258.8	1258.8	0.7	8.87	-71.2



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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TPZ-164



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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XPW01

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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XPW05



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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XPW06

Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

**Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
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Field Blank



Site Sampling Event: Baldwin- 4Q 2023

LIMS Workorder: 23101244

Technician(s): JC, TC, BG, JR

Groundwater Sampling Field Form- Groundwater Quality Parameters
Baldwin- 4Q 2023

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
BALDWIN, BOTTOM ASH POND
BAL-845-601

Well ID	Date	Time (adj)	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304 Duplicate	11/1/2023	1025	10.3	15.1	59.18	7.82	2360	2360	1.29	2.05	-68
MW-304 Duplicate	11/1/2023	1028	10.3	15.2	59.36	7.81	2365.1	2365.1	0.99	1.99	-61.6
MW-304 Duplicate	11/1/2023	1031	10.3	15.2	59.36	7.81	2370.9	2370.9	0.88	1.66	-58.1
MW-304 Duplicate	11/1/2023	1034	10.3	15.3	59.54	7.81	2371.7	2371.7	0.8	1.66	-55.7

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Field Calibration Log(s)
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, 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 029218
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	10/31/23 9:17
7.0 Buffer	WC230616F	7.00	10/31/23 9:26
10.0 Buffer	WC231027D	10.00	10/31/23 9:26
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	10/31/23 9:32

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/31/23 9:39	5.6	7.06	1412	
ccv	10/31/23 15:22	9.6	7.06	1400	

Field Meter ID: Pine 029218
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/1/23 9:29
7.0 Buffer	WC230616F	7.02	11/1/23 9:31
10.0 Buffer	WC231027D	10.04	11/1/23 9:33
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/1/23 9:27

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/1/23 9:35	4.7	7.08	1412	
ccv	11/1/23 15:51	12.7	7.07	1411	

Field Meter ID: Pine 029218
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.01	11/2/23 9:07
7.0 Buffer	WC230616F	6.97	11/2/23 9:09
10.0 Buffer	WC231027D	9.98	11/2/23 9:11
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/2/23 9:05

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/2/23 9:18	7.9	7.05	1413	
ccv	11/2/23 16:00	15.3	7.07	1396	

Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Field Calibration Log(s)
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, BOTTOM ASH POND
 BAL-845-601

Field Meter ID: Pine 029218
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/3/23 9:13
7.0 Buffer	WC230616F	7.00	11/3/23 9:14
10.0 Buffer	WC231027D	10.00	11/3/23 9:16
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/3/23 9:09

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/3/23 9:17	10.1	7.03	1410	
ccv	11/3/23 12:45	15	7.07	1457	

Field Meter ID: _____
 Technician: _____

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
ccv					

Field Meter ID: _____
 Technician: _____

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
ccv					

Field Meter ID: _____
 Technician: _____



Site Sampling Event: Baldwin- 4Q 2023
 LIMS Workorder: 23101244
 Technician(s): JC, TC, BG, JR

Field Calibration Log(s)
 Baldwin- 4Q 2023

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 BALDWIN, 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: 51290
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	10/31/23 9:02
7.0 Buffer	wc230616f	7.02	10/31/23 9:06
10.0 Buffer	wc230504c	9.98	10/31/23 9:11
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1423	10/31/23 9:19

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/31/23 9:23	18.8	7.02	1425	
ccv	10/31/23 14:43	19.4	7.05	1455	

Field Meter ID: 51290
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	11/3/23 8:55
7.0 Buffer	wc230616f	7.01	11/3/23 9:02
10.0 Buffer	wc230504c	9.98	11/3/23 9:08
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1414	11/3/23 9:14

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/3/23 9:19	18.3	7.03	1428	
ccv	11/3/23 11:16	17.9	7.04	1441	

Field Meter ID: _____
 Technician: _____

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
ccv					

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 4, 2023**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023

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	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.00230
MW-192	UU	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	20	CI around geomean	0.00158	0.0104
MW-192	UU	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0915	0.261
MW-192	UU	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.0005
MW-192	UU	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.0266	2.16
MW-192	UU	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.002
MW-192	UU	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	13.9	1,370
MW-192	UU	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.0015	0.0125
MW-192	UU	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	30	CI around mean	0.00103	0.00220
MW-192	UU	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.409	3.84
MW-192	UU	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.001	0.00220
MW-192	UU	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	10	CB around linear reg	-0.0276	0.140
MW-192	UU	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.0002
MW-192	UU	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.00178	0.0782
MW-192	UU	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	6.7/7.0	7.5/11.1
MW-192	UU	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.379	3.76
MW-192	UU	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.00320
MW-192	UU	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	-3.59	762
MW-192	UU	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.002	0.002
MW-192	UU	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	133	3,260
MW-193	UU	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.00230
MW-193	UU	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	10	CI around mean	0.00126	0.0104
MW-193	UU	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around median	0.0743	0.261
MW-193	UU	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.0005
MW-193	UU	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	10	CI around mean	0.0341	2.16
MW-193	UU	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.002
MW-193	UU	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	31.3	1,370

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
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	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.0015	0.0125
MW-193	UU	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	Most recent sample	0.001	0.00220
MW-193	UU	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.245	3.84
MW-193	UU	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.00220
MW-193	UU	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	20	CI around mean	0.00453	0.140
MW-193	UU	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.0002
MW-193	UU	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.0782
MW-193	UU	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	6.7/7.1	7.5/11.1
MW-193	UU	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.435	3.76
MW-193	UU	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.00320
MW-193	UU	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	152	762
MW-193	UU	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.002	0.002
MW-193	UU	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	536	3,260
MW-356	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	25	92	CI around median	0.001	0.00230
MW-356	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	28	82	CI around median	0.001	0.0104
MW-356	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around median	0.0297	0.261
MW-356	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.0005
MW-356	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	29	0	CI around median	1.94	2.16
MW-356	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.002
MW-356	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	27.7	1,370
MW-356	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	27	100	All ND - Last	0.0015	0.0125
MW-356	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	26	100	All ND - Last	0.001	0.00220
MW-356	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	1.97	3.84
MW-356	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	26	96	CI around median	0.001	0.00220
MW-356	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around median	0.0521	0.140
MW-356	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.0002	0.0002
MW-356	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	28	61	CI around median	0.0015	0.0782

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
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	E003	pH (field)	SU	12/29/15 - 11/02/23	29	0	CI around median	7.7/7.8	7.5/11.1
MW-356	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	28	0	CI around median	0.1	3.76
MW-356	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	25	100	All ND - Last	0.001	0.00320
MW-356	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	29	0	CI around mean	44.2	762
MW-356	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.002	0.002
MW-356	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	28	0	CI around mean	659	3,260
MW-369	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	19	79	CB around T-S line	-0.000672	0.00230
MW-369	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	22	14	CI around geomean	0.00146	0.0104
MW-369	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	22	0	CB around T-S line	0.0597	0.261
MW-369	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.0005
MW-369	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	-0.131	2.16
MW-369	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.002
MW-369	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around geomean	84.3	1,370
MW-369	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	21	90	CB around T-S line	0.00148	0.0125
MW-369	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	20	85	CI around median	0.001	0.00220
MW-369	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	23	0	CB around T-S line	-0.84	3.84
MW-369	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	20	95	CI around median	0.001	0.00220
MW-369	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	22	4	CI around mean	0.0214	0.140
MW-369	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.0002	0.0002
MW-369	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	22	4	CB around T-S line	-0.00587	0.0782
MW-369	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	23	0	CI around mean	7.4/8.1	7.5/11.1
MW-369	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	22	0	CI around mean	0.422	3.76
MW-369	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	19	63	CB around T-S line	-0.0155	0.00320
MW-369	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	23	0	CB around T-S line	-74.1	762
MW-369	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.002	0.002
MW-369	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	23	0	CI around median	720	3,260
MW-370	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	25	76	CB around T-S line	-0.000272	0.00230

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 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-370	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	28	57	CB around T-S line	0.000206	0.0104
MW-370	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	28	0	CB around T-S line	0.0255	0.261
MW-370	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.0005
MW-370	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	29	0	CI around median	1.79	2.16
MW-370	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.001	0.002
MW-370	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	1,380	1,370
MW-370	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	27	96	CB around T-S line	0.00146	0.0125
MW-370	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	26	96	CI around median	0.001	0.00220
MW-370	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	29	0	CB around T-S line	3.02	3.84
MW-370	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	26	100	All ND - Last	0.001	0.00220
MW-370	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	28	0	CI around geomean	0.129	0.140
MW-370	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.0002	0.0002
MW-370	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	28	4	CB around T-S line	0.00391	0.0782
MW-370	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	29	0	CI around mean	7.5/7.7	7.5/11.1
MW-370	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	28	0	CI around geomean	0.545	3.76
MW-370	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	25	96	Most recent sample	0.001	0.00320
MW-370	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	29	0	CI around mean	248	762
MW-370	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	23	100	All ND - Last	0.002	0.002
MW-370	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	29	0	CB around linear reg	2,950	3,260
MW-382	UA	E003	Antimony, total	mg/L	12/29/15 - 11/02/23	19	100	All ND - Last	0.001	0.00230
MW-382	UA	E003	Arsenic, total	mg/L	12/29/15 - 11/02/23	22	23	CI around median	0.0012	0.0104
MW-382	UA	E003	Barium, total	mg/L	12/29/15 - 11/02/23	22	0	CI around mean	0.0175	0.261
MW-382	UA	E003	Beryllium, total	mg/L	12/29/15 - 11/02/23	17	94	CI around median	0.001	0.0005
MW-382	UA	E003	Boron, total	mg/L	12/29/15 - 11/02/23	23	0	CI around median	1.71	2.16
MW-382	UA	E003	Cadmium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.001	0.002
MW-382	UA	E003	Chloride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around mean	34.2	1,370
MW-382	UA	E003	Chromium, total	mg/L	12/29/15 - 11/02/23	21	10	CB around linear reg	0.00635	0.0125

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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-382	UA	E003	Cobalt, total	mg/L	12/29/15 - 11/02/23	20	65	CB around T-S line	0.001	0.00220
MW-382	UA	E003	Fluoride, total	mg/L	12/29/15 - 11/02/23	23	0	CI around median	2.77	3.84
MW-382	UA	E003	Lead, total	mg/L	12/29/15 - 11/02/23	20	60	CB around T-S line	0.001	0.00220
MW-382	UA	E003	Lithium, total	mg/L	12/29/15 - 11/02/23	22	0	CI around mean	0.0577	0.140
MW-382	UA	E003	Mercury, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.0002	0.0002
MW-382	UA	E003	Molybdenum, total	mg/L	12/29/15 - 11/02/23	22	23	CB around T-S line	0.00196	0.0782
MW-382	UA	E003	pH (field)	SU	12/29/15 - 11/02/23	23	0	CI around mean	7.7/7.9	7.5/11.1
MW-382	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 11/02/23	22	0	CI around geomean	0.325	3.76
MW-382	UA	E003	Selenium, total	mg/L	12/29/15 - 11/02/23	19	100	All ND - Last	0.001	0.00320
MW-382	UA	E003	Sulfate, total	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	349	762
MW-382	UA	E003	Thallium, total	mg/L	12/29/15 - 11/02/23	17	100	All ND - Last	0.002	0.002
MW-382	UA	E003	Total Dissolved Solids	mg/L	12/29/15 - 11/02/23	23	0	CB around linear reg	1,030	3,260
MW-392	UA	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.00230
MW-392	UA	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	60	CI around median	0.001	0.0104
MW-392	UA	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0363	0.261
MW-392	UA	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.0005
MW-392	UA	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	1.65	2.16
MW-392	UA	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.002
MW-392	UA	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around median	648	1,370
MW-392	UA	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	60	CI around median	0.0015	0.0125
MW-392	UA	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.00220
MW-392	UA	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	3.95	3.84
MW-392	UA	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.00220
MW-392	UA	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0562	0.140
MW-392	UA	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.0002
MW-392	UA	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.0782
MW-392	UA	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	7.4/7.9	7.5/11.1

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E003R	pH (field)	SU	10/27/22 - 01/09/24	11	0	CI around mean	7.4/7.8	7.5/11.1
MW-392	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.359	3.76
MW-392	UA	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.001	0.00320
MW-392	UA	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	49.2	762
MW-392	UA	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.008	0.002
MW-392	UA	E003R	Thallium, total	mg/L	10/27/22 - 01/09/24	11	100	All ND - Last	0.002	0.002
MW-392	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	1,490	3,260
MW-393	UA	E003	Antimony, total	mg/L	10/27/22 - 10/31/23	10	80	CI around median	0.001	0.00230
MW-393	UA	E003	Arsenic, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.001	0.0104
MW-393	UA	E003	Barium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	0.0233	0.261
MW-393	UA	E003	Beryllium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.0005
MW-393	UA	E003	Boron, total	mg/L	10/27/22 - 10/31/23	10	0	CI around geomean	1.55	2.16
MW-393	UA	E003	Cadmium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.002
MW-393	UA	E003	Chloride, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	579	1,370
MW-393	UA	E003	Chromium, total	mg/L	10/27/22 - 10/31/23	10	70	CI around median	0.0015	0.0125
MW-393	UA	E003	Cobalt, total	mg/L	10/27/22 - 10/31/23	10	90	CI around median	0.001	0.00220
MW-393	UA	E003	Fluoride, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	6.38	3.84
MW-393	UA	E003	Lead, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.00220
MW-393	UA	E003	Lithium, total	mg/L	10/27/22 - 10/31/23	10	0	CI around mean	0.0548	0.140
MW-393	UA	E003	Mercury, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.0002	0.0002
MW-393	UA	E003	Molybdenum, total	mg/L	10/27/22 - 10/31/23	10	50	CI around mean	0.000189	0.0782
MW-393	UA	E003	pH (field)	SU	10/27/22 - 10/31/23	10	0	CI around mean	7.8/8.4	7.5/11.1
MW-393	UA	E003R	pH (field)	SU	10/27/22 - 01/09/24	11	0	CI around mean	7.8/8.3	7.5/11.1
MW-393	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/31/23	10	0	CI around mean	0.231	3.76
MW-393	UA	E003	Selenium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.004	0.00320
MW-393	UA	E003	Sulfate, total	mg/L	10/27/22 - 10/31/23	10	0	CB around linear reg	35.8	762
MW-393	UA	E003	Thallium, total	mg/L	10/27/22 - 10/31/23	10	100	All ND - Last	0.008	0.002

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-393	UA	E003R	Thallium, total	mg/L	10/27/22 - 01/09/24	11	100	All ND - Last	0.002	0.002
MW-393	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 10/31/23	10	0	CI around median	1,870	3,260
MW-394	UA	E003	Antimony, total	mg/L	10/27/22 - 11/01/23	10	60	CB around T-S line	-0.00283	0.00230
MW-394	UA	E003	Arsenic, total	mg/L	10/27/22 - 11/01/23	10	40	CI around median	0.001	0.0104
MW-394	UA	E003	Barium, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	0.0278	0.261
MW-394	UA	E003	Beryllium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.001	0.0005
MW-394	UA	E003	Boron, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	1.54	2.16
MW-394	UA	E003	Cadmium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.001	0.002
MW-394	UA	E003	Chloride, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	449	1,370
MW-394	UA	E003	Chromium, total	mg/L	10/27/22 - 11/01/23	10	60	CI around median	0.0015	0.0125
MW-394	UA	E003	Cobalt, total	mg/L	10/27/22 - 11/01/23	10	70	CI around median	0.001	0.00220
MW-394	UA	E003	Fluoride, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	3.07	3.84
MW-394	UA	E003	Lead, total	mg/L	10/27/22 - 11/01/23	10	70	CI around median	0.001	0.00220
MW-394	UA	E003	Lithium, total	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	0.0482	0.140
MW-394	UA	E003	Mercury, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.0002	0.0002
MW-394	UA	E003	Molybdenum, total	mg/L	10/27/22 - 11/01/23	10	20	CI around mean	0.00438	0.0782
MW-394	UA	E003	pH (field)	SU	10/27/22 - 11/01/23	10	0	CI around mean	7.7/8.0	7.5/11.1
MW-394	UA	E003	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 11/01/23	10	0	CI around mean	0.42	3.76
MW-394	UA	E003	Selenium, total	mg/L	10/27/22 - 11/01/23	10	90	Most recent sample	0.001	0.00320
MW-394	UA	E003	Sulfate, total	mg/L	10/27/22 - 11/01/23	10	0	CB around linear reg	37.7	762
MW-394	UA	E003	Thallium, total	mg/L	10/27/22 - 11/01/23	10	100	All ND - Last	0.002	0.002
MW-394	UA	E003	Total Dissolved Solids	mg/L	10/27/22 - 11/01/23	10	0	CI around mean	1,700	3,260
OW-256	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.00230
OW-256	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000519	0.0104
OW-256	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.0611	0.261
OW-256	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.0005
OW-256	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.129	2.16

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 BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-256	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.002
OW-256	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	50.1	1,370
OW-256	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.0125
OW-256	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000682	0.00220
OW-256	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.198	3.84
OW-256	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.00220
OW-256	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	25	CI around mean	0.000586	0.140
OW-256	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.0782
OW-256	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.5/7.0	7.5/11.1
OW-256	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	0.237	3.76
OW-256	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.00320
OW-256	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	55.9	762
OW-256	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002
OW-256	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	445	3,260
OW-257	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.00230
OW-257	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	0.000459	0.0104
OW-257	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.0208	0.261
OW-257	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0005
OW-257	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.32	2.16
OW-257	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.002
OW-257	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	5.58	1,370
OW-257	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	8.26e-05	0.0125
OW-257	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	8.59e-05	0.00220
OW-257	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.32	3.84
OW-257	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	25	CI around geomean	4.82e-05	0.00220
OW-257	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.00598	0.140

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	50	CI around mean	0.00236	0.0782
OW-257	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.4/7.4	7.5/11.1
OW-257	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around geomean	0.0774	3.76
OW-257	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.00320
OW-257	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	92.3	762
OW-257	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002
OW-257	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	272	3,260
PZ-170	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.001	0.00230
PZ-170	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.0012	0.0104
PZ-170	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.155	0.261
PZ-170	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.0005
PZ-170	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.426	2.16
PZ-170	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.002
PZ-170	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	82	1,370
PZ-170	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	3	67	Most recent sample	0.0015	0.0125
PZ-170	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.0037	0.00220
PZ-170	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.21	3.84
PZ-170	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.00220
PZ-170	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	0.0361	0.140
PZ-170	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.5/6.6	7.5/11.1
PZ-170	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	-0.352	3.76
PZ-170	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	232	762
PZ-170	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	3	100	All ND - Last	0.002	0.002

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
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-170	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	3	0	Most recent sample	1,100	3,260
PZ-182	PMP	E003	Antimony, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E003	Arsenic, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0104
PZ-182	PMP	E003	Barium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.0516	0.261
PZ-182	PMP	E003	Beryllium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.0005
PZ-182	PMP	E003	Boron, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.289	2.16
PZ-182	PMP	E003	Cadmium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.002
PZ-182	PMP	E003	Chloride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	-5.88	1,370
PZ-182	PMP	E003	Chromium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E003	Cobalt, total	mg/L	03/14/23 - 10/31/23	4	75	Most recent sample	0.001	0.00220
PZ-182	PMP	E003	Fluoride, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.138	3.84
PZ-182	PMP	E003	Lead, total	mg/L	03/14/23 - 10/31/23	4	75	CI around median (Last Sample, n<7)	0.001	0.00220
PZ-182	PMP	E003	Lithium, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	0.00313	0.140
PZ-182	PMP	E003	Mercury, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E003	Molybdenum, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E003	pH (field)	SU	03/14/23 - 10/31/23	4	0	CI around mean	6.4/6.8	7.5/11.1
PZ-182	PMP	E003	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/31/23	4	0	CI around mean	0.175	3.76
PZ-182	PMP	E003	Selenium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E003	Sulfate, total	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	97.7	762
PZ-182	PMP	E003	Thallium, total	mg/L	03/14/23 - 10/31/23	4	100	All ND - Last	0.002	0.002
PZ-182	PMP	E003	Total Dissolved Solids	mg/L	03/14/23 - 10/31/23	4	0	CI around mean	464	3,260

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023

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

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

R = resample

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 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

For pH, the values presented are the lower / upper limits of the background determination