



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

December 10, 2023

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.) Section (§) 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 3, 2023 sampling event at the Baldwin Power Plant Bottom Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. 1578510001-06. 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 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) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Morris".

**Phil Morris, PE**  
**Senior Director, Environmental**

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 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 3, 2023  
BOTTOM ASH POND, BALDWIN POWER PLANT, BALDWIN, ILLINOIS**

December 10, 2023

Samples were collected August 3 and 4, August 7 and August 15, 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 October 11, 2023.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 3, 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 3, 2023 sampling event. Monitoring well OW-257 was dry; therefore, groundwater elevation data was not recorded and a groundwater sample was not collected for this sampling event. Monitoring well PZ-170 went dry during sample collection; the containers for total metals and inorganic analyses<sup>1</sup> could not be filled.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan<sup>2</sup>. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 3, 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 demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency (IEPA) within 60 days of this transmittal.

**TABLES**

Table 1	Field Parameters and Analytical Results - Quarter 3, 2023
Table 2	Comparison of Statistical Results to GWPS - Quarter 3, 2023

**FIGURES**

Figure 1	35 I.A.C. § 845 Groundwater Monitoring Well Network
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<sup>1</sup> Totals metals includes antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, lead, lithium, mercury, molybdenum, selenium, thallium. Total inorganics includes fluoride, sulfate, chloride, and total dissolved solids.

<sup>2</sup> Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. *Groundwater Monitoring Plan. Bottom Ash Pond. Baldwin Power Plant. Baldwin, Illinois. August 1, 2023.*



## ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 3, 2023

Attachment B Laboratory Reports and Field Data Sheets - Quarter 3, 2023

Attachment C Comparison of Statistical Results to Background - Quarter 3, 2023

## **TABLES**

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-304	Background	E002	08/03/2023	Arsenic, total	0.00220	mg/L
MW-304	Background	E002	08/03/2023	Barium, total	0.0201	mg/L
MW-304	Background	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E002	08/03/2023	Boron, total	1.61	mg/L
MW-304	Background	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E002	08/03/2023	Calcium, total	11.4	mg/L
MW-304	Background	E002	08/03/2023	Chloride, total	160	mg/L
MW-304	Background	E002	08/03/2023	Chromium, total	0.0007 U	mg/L
MW-304	Background	E002	08/03/2023	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E002	08/03/2023	Dissolved Oxygen	0.690	mg/L
MW-304	Background	E002	08/03/2023	Fluoride, total	1.70	mg/L
MW-304	Background	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-304	Background	E002	08/03/2023	Lithium, total	0.0779	mg/L
MW-304	Background	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-304	Background	E002	08/03/2023	Molybdenum, total	0.0008 J	mg/L
MW-304	Background	E002	08/03/2023	Oxidation Reduction Potential	78.0	mV
MW-304	Background	E002	08/03/2023	pH (field)	7.9	SU
MW-304	Background	E002	08/03/2023	Radium 226 + Radium 228, total	0.937	pCi/L
MW-304	Background	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-304	Background	E002	08/03/2023	Specific Conductance @ 25C (field)	3,000	micromhos/cm
MW-304	Background	E002	08/03/2023	Sulfate, total	188	mg/L
MW-304	Background	E002	08/03/2023	Temperature	16.2	degrees C
MW-304	Background	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-304	Background	E002	08/03/2023	Total Dissolved Solids	1,380	mg/L
MW-304	Background	E002	08/03/2023	Turbidity, field	2.80	NTU
MW-306	Background	E002	08/04/2023	Antimony, total	0.0005 J	mg/L
MW-306	Background	E002	08/04/2023	Arsenic, total	0.00820 J	mg/L
MW-306	Background	E002	08/04/2023	Barium, total	0.00340	mg/L
MW-306	Background	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-306	Background	E002	08/04/2023	Boron, total	0.400	mg/L
MW-306	Background	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-306	Background	E002	08/04/2023	Calcium, total	2.49	mg/L
MW-306	Background	E002	08/04/2023	Chloride, total	50.0	mg/L
MW-306	Background	E002	08/04/2023	Chromium, total	0.0007 U	mg/L
MW-306	Background	E002	08/04/2023	Cobalt, total	0.0001 U	mg/L
MW-306	Background	E002	08/04/2023	Dissolved Oxygen	0.650	mg/L
MW-306	Background	E002	08/04/2023	Fluoride, total	0.610	mg/L
MW-306	Background	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-306	Background	E002	08/04/2023	Lithium, total	0.0212	mg/L
MW-306	Background	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-306	Background	E002	08/04/2023	Molybdenum, total	0.0153	mg/L
MW-306	Background	E002	08/04/2023	Oxidation Reduction Potential	78.0	mV
MW-306	Background	E002	08/04/2023	pH (field)	10.6	SU
MW-306	Background	E002	08/04/2023	Radium 226 + Radium 228, total	0.652	pCi/L
MW-306	Background	E002	08/04/2023	Selenium, total	0.0006 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-306	Background	E002	08/04/2023	Specific Conductance @ 25C (field)	738	micromhos/cm
MW-306	Background	E002	08/04/2023	Sulfate, total	41.0	mg/L
MW-306	Background	E002	08/04/2023	Temperature	16.2	degrees C
MW-306	Background	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-306	Background	E002	08/04/2023	Total Dissolved Solids	302	mg/L
MW-306	Background	E002	08/04/2023	Turbidity, field	2.50	NTU
MW-358	Background	E002	08/07/2023	Antimony, total	0.0004 U	mg/L
MW-358	Background	E002	08/07/2023	Arsenic, total	0.00380	mg/L
MW-358	Background	E002	08/07/2023	Barium, total	0.235	mg/L
MW-358	Background	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E002	08/07/2023	Boron, total	1.60	mg/L
MW-358	Background	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E002	08/07/2023	Calcium, total	9.87	mg/L
MW-358	Background	E002	08/07/2023	Chloride, total	1,290	mg/L
MW-358	Background	E002	08/07/2023	Chromium, total	0.001 J	mg/L
MW-358	Background	E002	08/07/2023	Cobalt, total	0.0001 U	mg/L
MW-358	Background	E002	08/07/2023	Dissolved Oxygen	1.37	mg/L
MW-358	Background	E002	08/07/2023	Fluoride, total	3.36	mg/L
MW-358	Background	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-358	Background	E002	08/07/2023	Lithium, total	0.0961	mg/L
MW-358	Background	E002	08/07/2023	Mercury, total	0.00006 U	mg/L
MW-358	Background	E002	08/07/2023	Molybdenum, total	0.0175	mg/L
MW-358	Background	E002	08/07/2023	Oxidation Reduction Potential	-42.0	mV
MW-358	Background	E002	08/07/2023	pH (field)	8.0	SU
MW-358	Background	E002	08/07/2023	Radium 226 + Radium 228, total	0.908	pCi/L
MW-358	Background	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-358	Background	E002	08/07/2023	Specific Conductance @ 25C (field)	6,940	micromhos/cm
MW-358	Background	E002	08/07/2023	Sulfate, total	9 J	mg/L
MW-358	Background	E002	08/07/2023	Temperature	16.1	degrees C
MW-358	Background	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-358	Background	E002	08/07/2023	Total Dissolved Solids	3,160	mg/L
MW-358	Background	E002	08/07/2023	Turbidity, field	8.40	NTU
MW-192	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-192	Compliance	E002	08/04/2023	Arsenic, total	0.00300	mg/L
MW-192	Compliance	E002	08/04/2023	Barium, total	0.139	mg/L
MW-192	Compliance	E002	08/04/2023	Beryllium, total	0.0003 J	mg/L
MW-192	Compliance	E002	08/04/2023	Boron, total	0.0397	mg/L
MW-192	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E002	08/04/2023	Calcium, total	74.2	mg/L
MW-192	Compliance	E002	08/04/2023	Chloride, total	24.0	mg/L
MW-192	Compliance	E002	08/04/2023	Chromium, total	0.00290	mg/L
MW-192	Compliance	E002	08/04/2023	Cobalt, total	0.00140	mg/L
MW-192	Compliance	E002	08/04/2023	Dissolved Oxygen	0.460	mg/L
MW-192	Compliance	E002	08/04/2023	Fluoride, total	0.450	mg/L
MW-192	Compliance	E002	08/04/2023	Lead, total	0.00250	mg/L
MW-192	Compliance	E002	08/04/2023	Lithium, total	0.00700	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-192	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-192	Compliance	E002	08/04/2023	Molybdenum, total	0.0013 J	mg/L
MW-192	Compliance	E002	08/04/2023	Oxidation Reduction Potential	-102	mV
MW-192	Compliance	E002	08/04/2023	pH (field)	6.6	SU
MW-192	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	2.61	pCi/L
MW-192	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	906	micromhos/cm
MW-192	Compliance	E002	08/04/2023	Sulfate, total	19.0	mg/L
MW-192	Compliance	E002	08/04/2023	Temperature	18.7	degrees C
MW-192	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E002	08/04/2023	Total Dissolved Solids	192	mg/L
MW-192	Compliance	E002	08/04/2023	Turbidity, field	290	NTU
MW-193	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-193	Compliance	E002	08/04/2023	Arsenic, total	0.00140	mg/L
MW-193	Compliance	E002	08/04/2023	Barium, total	0.0736	mg/L
MW-193	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E002	08/04/2023	Boron, total	0.0505	mg/L
MW-193	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E002	08/04/2023	Calcium, total	89.8	mg/L
MW-193	Compliance	E002	08/04/2023	Chloride, total	35.0	mg/L
MW-193	Compliance	E002	08/04/2023	Chromium, total	0.0007 U	mg/L
MW-193	Compliance	E002	08/04/2023	Cobalt, total	0.0006 J	mg/L
MW-193	Compliance	E002	08/04/2023	Dissolved Oxygen	0.910	mg/L
MW-193	Compliance	E002	08/04/2023	Fluoride, total	0.270	mg/L
MW-193	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E002	08/04/2023	Lithium, total	0.00450	mg/L
MW-193	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-193	Compliance	E002	08/04/2023	Molybdenum, total	0.0008 J	mg/L
MW-193	Compliance	E002	08/04/2023	Oxidation Reduction Potential	-13.0	mV
MW-193	Compliance	E002	08/04/2023	pH (field)	6.5	SU
MW-193	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	0.612	pCi/L
MW-193	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	1,080	micromhos/cm
MW-193	Compliance	E002	08/04/2023	Sulfate, total	150	mg/L
MW-193	Compliance	E002	08/04/2023	Temperature	17.4	degrees C
MW-193	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E002	08/04/2023	Total Dissolved Solids	600	mg/L
MW-193	Compliance	E002	08/04/2023	Turbidity, field	4.90	NTU
MW-356	Compliance	E002	08/03/2023	Antimony, total	0.0007 J	mg/L
MW-356	Compliance	E002	08/03/2023	Arsenic, total	0.0005 J	mg/L
MW-356	Compliance	E002	08/03/2023	Barium, total	0.0329	mg/L
MW-356	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E002	08/03/2023	Boron, total	1.94	mg/L
MW-356	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E002	08/03/2023	Calcium, total	12.5	mg/L
MW-356	Compliance	E002	08/03/2023	Chloride, total	28.0	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-356	Compliance	E002	08/03/2023	Chromium, total	0.0011 J	mg/L
MW-356	Compliance	E002	08/03/2023	Cobalt, total	0.0005 J	mg/L
MW-356	Compliance	E002	08/03/2023	Dissolved Oxygen	1.53	mg/L
MW-356	Compliance	E002	08/03/2023	Fluoride, total	2.05	mg/L
MW-356	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E002	08/03/2023	Lithium, total	0.0518	mg/L
MW-356	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-356	Compliance	E002	08/03/2023	Molybdenum, total	0.0011 J	mg/L
MW-356	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-56.0	mV
MW-356	Compliance	E002	08/03/2023	pH (field)	7.9	SU
MW-356	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.53	pCi/L
MW-356	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	1,330	micromhos/cm
MW-356	Compliance	E002	08/03/2023	Sulfate, total	43.0	mg/L
MW-356	Compliance	E002	08/03/2023	Temperature	17.5	degrees C
MW-356	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E002	08/03/2023	Total Dissolved Solids	596	mg/L
MW-356	Compliance	E002	08/03/2023	Turbidity, field	2.20	NTU
MW-369	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-369	Compliance	E002	08/03/2023	Arsenic, total	0.0008 J	mg/L
MW-369	Compliance	E002	08/03/2023	Barium, total	0.104	mg/L
MW-369	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E002	08/03/2023	Boron, total	0.259	mg/L
MW-369	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E002	08/03/2023	Calcium, total	121	mg/L
MW-369	Compliance	E002	08/03/2023	Chloride, total	59.0	mg/L
MW-369	Compliance	E002	08/03/2023	Chromium, total	0.0007 U	mg/L
MW-369	Compliance	E002	08/03/2023	Cobalt, total	0.0005 J	mg/L
MW-369	Compliance	E002	08/03/2023	Dissolved Oxygen	0.670	mg/L
MW-369	Compliance	E002	08/03/2023	Fluoride, total	0.500	mg/L
MW-369	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E002	08/03/2023	Lithium, total	0.0138	mg/L
MW-369	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-369	Compliance	E002	08/03/2023	Molybdenum, total	0.00520	mg/L
MW-369	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-76.0	mV
MW-369	Compliance	E002	08/03/2023	pH (field)	8.3	SU
MW-369	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.845	pCi/L
MW-369	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	2,620	micromhos/cm
MW-369	Compliance	E002	08/03/2023	Sulfate, total	121	mg/L
MW-369	Compliance	E002	08/03/2023	Temperature	15.8	degrees C
MW-369	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E002	08/03/2023	Total Dissolved Solids	684	mg/L
MW-369	Compliance	E002	08/03/2023	Turbidity, field	17.0	NTU
MW-370	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E002	08/03/2023	Arsenic, total	0.0007 J	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-370	Compliance	E002	08/03/2023	Barium, total	0.0330	mg/L
MW-370	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E002	08/03/2023	Boron, total	1.73	mg/L
MW-370	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E002	08/03/2023	Calcium, total	41.4	mg/L
MW-370	Compliance	E002	08/03/2023	Chloride, total	1,310	mg/L
MW-370	Compliance	E002	08/03/2023	Chromium, total	0.0009 J	mg/L
MW-370	Compliance	E002	08/03/2023	Cobalt, total	0.0002 J	mg/L
MW-370	Compliance	E002	08/03/2023	Dissolved Oxygen	0.680	mg/L
MW-370	Compliance	E002	08/03/2023	Fluoride, total	3.06	mg/L
MW-370	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E002	08/03/2023	Lithium, total	0.134	mg/L
MW-370	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-370	Compliance	E002	08/03/2023	Molybdenum, total	0.00740	mg/L
MW-370	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-17.0	mV
MW-370	Compliance	E002	08/03/2023	pH (field)	7.8	SU
MW-370	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.843	pCi/L
MW-370	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	6,670	micromhos/cm
MW-370	Compliance	E002	08/03/2023	Sulfate, total	243	mg/L
MW-370	Compliance	E002	08/03/2023	Temperature	16.1	degrees C
MW-370	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E002	08/03/2023	Total Dissolved Solids	2,870	mg/L
MW-370	Compliance	E002	08/03/2023	Turbidity, field	3.30	NTU
MW-382	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-382	Compliance	E002	08/03/2023	Arsenic, total	0.00200	mg/L
MW-382	Compliance	E002	08/03/2023	Barium, total	0.0256	mg/L
MW-382	Compliance	E002	08/03/2023	Beryllium, total	0.0004 J	mg/L
MW-382	Compliance	E002	08/03/2023	Boron, total	1.61	mg/L
MW-382	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E002	08/03/2023	Calcium, total	27.1	mg/L
MW-382	Compliance	E002	08/03/2023	Chloride, total	28.0	mg/L
MW-382	Compliance	E002	08/03/2023	Chromium, total	0.0135	mg/L
MW-382	Compliance	E002	08/03/2023	Cobalt, total	0.00270	mg/L
MW-382	Compliance	E002	08/03/2023	Dissolved Oxygen	0.510	mg/L
MW-382	Compliance	E002	08/03/2023	Fluoride, total	2.83	mg/L
MW-382	Compliance	E002	08/03/2023	Lead, total	0.00350	mg/L
MW-382	Compliance	E002	08/03/2023	Lithium, total	0.0560	mg/L
MW-382	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-382	Compliance	E002	08/03/2023	Molybdenum, total	0.00260	mg/L
MW-382	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-36.0	mV
MW-382	Compliance	E002	08/03/2023	pH (field)	7.9	SU
MW-382	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	1.44	pCi/L
MW-382	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	1,910	micromhos/cm
MW-382	Compliance	E002	08/03/2023	Sulfate, total	337	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E002	08/03/2023	Temperature	16.0	degrees C
MW-382	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E002	08/03/2023	Total Dissolved Solids	980	mg/L
MW-382	Compliance	E002	08/03/2023	Turbidity, field	180	NTU
MW-392	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-392	Compliance	E002	08/03/2023	Arsenic, total	0.0004 J	mg/L
MW-392	Compliance	E002	08/03/2023	Barium, total	0.0407	mg/L
MW-392	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E002	08/03/2023	Boron, total	1.82	mg/L
MW-392	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E002	08/03/2023	Calcium, total	26.0	mg/L
MW-392	Compliance	E002	08/03/2023	Chloride, total	878	mg/L
MW-392	Compliance	E002	08/03/2023	Chromium, total	0.0008 J	mg/L
MW-392	Compliance	E002	08/03/2023	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E002	08/03/2023	Dissolved Oxygen	0.810	mg/L
MW-392	Compliance	E002	08/03/2023	Fluoride, total	4.07	mg/L
MW-392	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E002	08/03/2023	Lithium, total	0.0733	mg/L
MW-392	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-392	Compliance	E002	08/03/2023	Molybdenum, total	0.0008 J	mg/L
MW-392	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-170	mV
MW-392	Compliance	E002	08/03/2023	pH (field)	7.9	SU
MW-392	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	1.19	pCi/L
MW-392	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	4,020	micromhos/cm
MW-392	Compliance	E002	08/03/2023	Sulfate, total	55.0	mg/L
MW-392	Compliance	E002	08/03/2023	Temperature	18.2	degrees C
MW-392	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E002	08/03/2023	Total Dissolved Solids	1,810	mg/L
MW-392	Compliance	E002	08/03/2023	Turbidity, field	3.20	NTU
MW-393	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E002	08/03/2023	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E002	08/03/2023	Barium, total	0.0269	mg/L
MW-393	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E002	08/03/2023	Boron, total	1.66	mg/L
MW-393	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E002	08/03/2023	Calcium, total	6.00	mg/L
MW-393	Compliance	E002	08/03/2023	Chloride, total	610	mg/L
MW-393	Compliance	E002	08/03/2023	Chromium, total	0.0009 J	mg/L
MW-393	Compliance	E002	08/03/2023	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E002	08/03/2023	Dissolved Oxygen	0.570	mg/L
MW-393	Compliance	E002	08/03/2023	Fluoride, total	7.32	mg/L
MW-393	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E002	08/03/2023	Lithium, total	0.0593	mg/L
MW-393	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-393	Compliance	E002	08/03/2023	Molybdenum, total	0.0012 J	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-393	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-300 U	mV
MW-393	Compliance	E002	08/03/2023	pH (field)	8.4	SU
MW-393	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.657	pCi/L
MW-393	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	4,700	micromhos/cm
MW-393	Compliance	E002	08/03/2023	Sulfate, total	134	mg/L
MW-393	Compliance	E002	08/03/2023	Temperature	18.0	degrees C
MW-393	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E002	08/03/2023	Total Dissolved Solids	2,070	mg/L
MW-393	Compliance	E002	08/03/2023	Turbidity, field	1.60	NTU
MW-394	Compliance	E002	08/03/2023	Antimony, total	0.0008 J	mg/L
MW-394	Compliance	E002	08/03/2023	Arsenic, total	0.0009 J	mg/L
MW-394	Compliance	E002	08/03/2023	Barium, total	0.0478	mg/L
MW-394	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E002	08/03/2023	Boron, total	1.39	mg/L
MW-394	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E002	08/03/2023	Calcium, total	36.7	mg/L
MW-394	Compliance	E002	08/03/2023	Chloride, total	324	mg/L
MW-394	Compliance	E002	08/03/2023	Chromium, total	0.0008 J	mg/L
MW-394	Compliance	E002	08/03/2023	Cobalt, total	0.0002 J	mg/L
MW-394	Compliance	E002	08/03/2023	Dissolved Oxygen	0.510	mg/L
MW-394	Compliance	E002	08/03/2023	Fluoride, total	2.36	mg/L
MW-394	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E002	08/03/2023	Lithium, total	0.0476	mg/L
MW-394	Compliance	E002	08/03/2023	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E002	08/03/2023	Molybdenum, total	0.0115	mg/L
MW-394	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-300 U	mV
MW-394	Compliance	E002	08/03/2023	pH (field)	8.0	SU
MW-394	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.681	pCi/L
MW-394	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	3,660	micromhos/cm
MW-394	Compliance	E002	08/03/2023	Sulfate, total	202	mg/L
MW-394	Compliance	E002	08/03/2023	Temperature	17.4	degrees C
MW-394	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E002	08/03/2023	Total Dissolved Solids	1,440	mg/L
MW-394	Compliance	E002	08/03/2023	Turbidity, field	16.0	NTU
OW-256	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E002	08/03/2023	Arsenic, total	0.00130	mg/L
OW-256	Compliance	E002	08/03/2023	Barium, total	0.0915	mg/L
OW-256	Compliance	E002	08/03/2023	Beryllium, total	0.0007 J	mg/L
OW-256	Compliance	E002	08/03/2023	Boron, total	0.187	mg/L
OW-256	Compliance	E002	08/03/2023	Cadmium, total	0.0004 J	mg/L
OW-256	Compliance	E002	08/03/2023	Calcium, total	80.6	mg/L
OW-256	Compliance	E002	08/03/2023	Chloride, total	55.0	mg/L
OW-256	Compliance	E002	08/03/2023	Chromium, total	0.00200	mg/L
OW-256	Compliance	E002	08/03/2023	Cobalt, total	0.00110	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-256	Compliance	E002	08/03/2023	Dissolved Oxygen	0.470	mg/L
OW-256	Compliance	E002	08/03/2023	Fluoride, total	0.250	mg/L
OW-256	Compliance	E002	08/03/2023	Lead, total	0.00230	mg/L
OW-256	Compliance	E002	08/03/2023	Lithium, total	0.00820	mg/L
OW-256	Compliance	E002	08/03/2023	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E002	08/03/2023	Molybdenum, total	0.00160	mg/L
OW-256	Compliance	E002	08/03/2023	Oxidation Reduction Potential	-43.0	mV
OW-256	Compliance	E002	08/03/2023	pH (field)	6.8	SU
OW-256	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.66	pCi/L
OW-256	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	987	micromhos/cm
OW-256	Compliance	E002	08/03/2023	Sulfate, total	69.0	mg/L
OW-256	Compliance	E002	08/03/2023	Temperature	17.1	degrees C
OW-256	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E002	08/03/2023	Total Dissolved Solids	478	mg/L
OW-256	Compliance	E002	08/03/2023	Turbidity, field	6.20	NTU
PZ-170	Compliance	E002	08/04/2023	Dissolved Oxygen	0.600	mg/L
PZ-170	Compliance	E002	08/04/2023	Oxidation Reduction Potential	-156	mV
PZ-170	Compliance	E002	08/04/2023	pH (field)	6.6	SU
PZ-170	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	1.16	pCi/L
PZ-170	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	1,950	micromhos/cm
PZ-170	Compliance	E002	08/04/2023	Temperature	16.4	degrees C
PZ-170	Compliance	E002	08/04/2023	Turbidity, field	18.0	NTU
PZ-182	Compliance	E002	08/15/2023	Antimony, total	0.0008 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Arsenic, total	0.0004 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Barium, total	0.0712	mg/L
PZ-182	Compliance	E002	08/15/2023	Beryllium, total	0.0002 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Boron, total	0.476	mg/L
PZ-182	Compliance	E002	08/15/2023	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Calcium, total	143	mg/L
PZ-182	Compliance	E002	08/15/2023	Chloride, total	40.0	mg/L
PZ-182	Compliance	E002	08/15/2023	Chromium, total	0.0007 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Cobalt, total	0.0003 J	mg/L
PZ-182	Compliance	E002	08/15/2023	Dissolved Oxygen	0.470	mg/L
PZ-182	Compliance	E002	08/15/2023	Fluoride, total	0.160	mg/L
PZ-182	Compliance	E002	08/15/2023	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Lithium, total	0.0155	mg/L
PZ-182	Compliance	E002	08/15/2023	Mercury, total	0.00009 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Oxidation Reduction Potential	27.0	mV
PZ-182	Compliance	E002	08/15/2023	pH (field)	6.4	SU
PZ-182	Compliance	E002	08/15/2023	Radium 226 + Radium 228, total	1.4 J+	pCi/L
PZ-182	Compliance	E002	08/15/2023	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Specific Conductance @ 25C (field)	1,770	micromhos/cm
PZ-182	Compliance	E002	08/15/2023	Sulfate, total	172	mg/L
PZ-182	Compliance	E002	08/15/2023	Temperature	15.2	degrees C

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E002	08/15/2023	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E002	08/15/2023	Total Dissolved Solids	772	mg/L
PZ-182	Compliance	E002	08/15/2023	Turbidity, field	9.40	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.

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	Antimony, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E002	Arsenic, total	mg/L	10/27/22 - 08/04/23	9	22	CI around geomean	0.0016	0.0104	Background	No Exceedance
MW-192	UU	E002	Barium, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.0878	2.0	Standard	No Exceedance
MW-192	UU	E002	Beryllium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E002	Boron, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.0263	2.16	Background	No Exceedance
MW-192	UU	E002	Cadmium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E002	Chloride, total	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	15.8	1,370	Background	No Exceedance
MW-192	UU	E002	Chromium, total	mg/L	10/27/22 - 08/04/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E002	Cobalt, total	mg/L	10/27/22 - 08/04/23	9	33	CI around mean	0.000988	0.006	Standard	No Exceedance
MW-192	UU	E002	Fluoride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.407	4.0	Standard	No Exceedance
MW-192	UU	E002	Lead, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E002	Lithium, total	mg/L	10/27/22 - 08/04/23	9	11	CB around linear reg	-0.0254	0.140	Background	No Exceedance
MW-192	UU	E002	Mercury, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E002	Molybdenum, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.00191	0.1	Standard	No Exceedance
MW-192	UU	E002	pH (field)	SU	10/27/22 - 08/04/23	9	0	CI around mean	6.7/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-192	UU	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/04/23	9	0	CI around mean	0.26	5	Standard	No Exceedance
MW-192	UU	E002	Selenium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E002	Sulfate, total	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	1.99	762	Background	No Exceedance
MW-192	UU	E002	Thallium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	140	3,260	Background	No Exceedance
MW-193	UU	E002	Antimony, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-193	UU	E002	Arsenic, total	mg/L	10/27/22 - 08/04/23	9	11	CI around mean	0.00125	0.0104	Background	No Exceedance
MW-193	UU	E002	Barium, total	mg/L	10/27/22 - 08/04/23	9	0	CI around geomean	0.0719	2.0	Standard	No Exceedance
MW-193	UU	E002	Beryllium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E002	Boron, total	mg/L	10/27/22 - 08/04/23	9	11	CI around mean	0.0318	2.16	Background	No Exceedance
MW-193	UU	E002	Cadmium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E002	Chloride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	34.8	1,370	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	Chromium, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E002	Cobalt, total	mg/L	10/27/22 - 08/04/23	9	89	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E002	Fluoride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.241	4.0	Standard	No Exceedance
MW-193	UU	E002	Lead, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E002	Lithium, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.00458	0.140	Background	No Exceedance
MW-193	UU	E002	Mercury, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E002	Molybdenum, total	mg/L	10/27/22 - 08/04/23	9	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E002	pH (field)	SU	10/27/22 - 08/04/23	9	0	CI around mean	6.6/7.2	6.5/11.1	Standard/Background	No Exceedance
MW-193	UU	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/04/23	9	0	CI around mean	0.413	5	Standard	No Exceedance
MW-193	UU	E002	Selenium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E002	Sulfate, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	151	762	Background	No Exceedance
MW-193	UU	E002	Thallium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	531	3,260	Background	No Exceedance
MW-356	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	24	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	27	82	CI around median	0.001	0.0104	Background	No Exceedance
MW-356	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around median	0.0297	2.0	Standard	No Exceedance
MW-356	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	28	0	CI around median	1.94	2.16	Background	No Exceedance
MW-356	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	28.1	1,370	Background	No Exceedance
MW-356	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	26	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	1.95	4.0	Standard	No Exceedance
MW-356	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	25	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.0524	0.140	Background	No Exceedance
MW-356	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	27	59	CI around median	0.0015	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	pH (field)	SU	12/29/15 - 08/03/23	28	0	CI around median	7.7/7.8	6.5/11.1	Standard/Background	No Exceedance
MW-356	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	27	0	CI around median	0.1	5	Standard	No Exceedance
MW-356	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	28	0	CI around mean	44.4	762	Background	No Exceedance
MW-356	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	27	0	CI around mean	658	3,260	Background	No Exceedance
MW-369	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	18	78	CB around T-S line	-0.00132	0.006	Standard	No Exceedance
MW-369	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	21	14	CI around geomean	0.00138	0.0104	Background	No Exceedance
MW-369	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	21	0	CB around T-S line	0.0794	2.0	Standard	No Exceedance
MW-369	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	-0.189	2.16	Background	No Exceedance
MW-369	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around geomean	82	1,370	Background	No Exceedance
MW-369	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	20	90	CB around T-S line	0.00135	0.1	Standard	No Exceedance
MW-369	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	19	84	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	22	0	CB around T-S line	-1.2	4.0	Standard	No Exceedance
MW-369	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	19	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	21	5	CI around mean	0.0206	0.140	Background	No Exceedance
MW-369	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	21	5	CB around T-S line	-0.00682	0.1	Standard	No Exceedance
MW-369	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	22	0	CI around mean	7.3/8.1	6.5/11.1	Standard/Background	No Exceedance
MW-369	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	21	0	CI around mean	0.399	5	Standard	No Exceedance
MW-369	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	18	61	CB around T-S line	-0.0221	0.05	Standard	No Exceedance
MW-369	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	22	0	CB around T-S line	-107	762	Background	No Exceedance
MW-369	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	22	0	CI around median	720	3,260	Background	No Exceedance
MW-370	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	24	75	CB around T-S line	-0.000263	0.006	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	27	56	CB around T-S line	0.000178	0.0104	Background	No Exceedance
MW-370	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	27	0	CB around T-S line	0.0261	2.0	Standard	No Exceedance
MW-370	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	28	0	CI around median	1.77	2.16	Background	No Exceedance
MW-370	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	1,370	1,370	Background	No Exceedance
MW-370	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	26	96	CB around T-S line	0.00143	0.1	Standard	No Exceedance
MW-370	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	25	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	2.98	4.0	Standard	No Exceedance
MW-370	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	25	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.129	0.140	Background	No Exceedance
MW-370	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	27	4	CB around linear reg	0.00585	0.1	Standard	No Exceedance
MW-370	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	28	0	CB around linear reg	7.3/7.6	6.5/11.1	Standard/Background	No Exceedance
MW-370	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.527	5	Standard	No Exceedance
MW-370	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	24	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	28	0	CI around mean	248	762	Background	No Exceedance
MW-370	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	2,930	3,260	Background	No Exceedance
MW-382	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	21	24	CI around median	0.0012	0.0104	Background	No Exceedance
MW-382	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	21	0	CI around mean	0.0176	2.0	Standard	No Exceedance
MW-382	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	16	94	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	22	0	CI around median	1.71	2.16	Background	No Exceedance
MW-382	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around mean	34.3	1,370	Background	No Exceedance
MW-382	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	20	10	CB around linear reg	0.00687	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	19	68	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around geomean	2.78	4.0	Standard	No Exceedance
MW-382	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	19	63	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	21	0	CI around mean	0.0578	0.140	Background	No Exceedance
MW-382	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	21	19	CB around T-S line	0.00221	0.1	Standard	No Exceedance
MW-382	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	22	0	CI around mean	7.7/7.9	6.5/11.1	Standard/Background	No Exceedance
MW-382	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	21	0	CI around geomean	0.308	5	Standard	No Exceedance
MW-382	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	344	762	Background	No Exceedance
MW-382	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	1,030	3,260	Background	No Exceedance
MW-392	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.001	0.0104	Background	No Exceedance
MW-392	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0355	2.0	Standard	No Exceedance
MW-392	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1.61	2.16	Background	No Exceedance
MW-392	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around median	648	1,370	Background	No Exceedance
MW-392	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	3.65	4.0	Standard	No Exceedance
MW-392	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0532	0.140	Background	No Exceedance
MW-392	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	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 3, 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	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.322	5	Standard	No Exceedance
MW-392	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	47.2	762	Background	No Exceedance
MW-392	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1,460	3,260	Background	No Exceedance
MW-393	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.0104	Background	No Exceedance
MW-393	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	0.023	2.0	Standard	No Exceedance
MW-393	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	1.54	2.16	Background	No Exceedance
MW-393	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	480	1,370	Background	No Exceedance
MW-393	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	6.17	4.0	Standard	Exceedance
MW-393	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0529	0.140	Background	No Exceedance
MW-393	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	44	CI around mean	-2.82e-05	0.1	Standard	No Exceedance
MW-393	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	0	CI around mean	7.8/8.4	6.5/11.1	Standard/Background	No Exceedance
MW-393	UA	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.165	5	Standard	No Exceedance
MW-393	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	61.3	762	Background	No Exceedance
MW-393	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around median	1,870	3,260	Background	No Exceedance
MW-394	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	33	CI around median	0.001	0.0104	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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-394	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0271	2.0	Standard	No Exceedance
MW-394	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1.49	2.16	Background	No Exceedance
MW-394	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	438	1,370	Background	No Exceedance
MW-394	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	2.99	4.0	Standard	No Exceedance
MW-394	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0441	0.140	Background	No Exceedance
MW-394	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	11	CI around mean	0.00514	0.1	Standard	No Exceedance
MW-394	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	0	CI around mean	7.6/8.0	6.5/11.1	Standard/Background	No Exceedance
MW-394	UA	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.358	5	Standard	No Exceedance
MW-394	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	89	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	45.3	762	Background	No Exceedance
MW-394	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1,670	3,260	Background	No Exceedance
OW-256	PMP	E002	Antimony, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E002	Arsenic, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0013	0.0104	Background	No Exceedance
OW-256	PMP	E002	Barium, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.0915	2.0	Standard	No Exceedance
OW-256	PMP	E002	Beryllium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E002	Boron, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.187	2.16	Background	No Exceedance
OW-256	PMP	E002	Cadmium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E002	Chloride, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	55	1,370	Background	No Exceedance
OW-256	PMP	E002	Chromium, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.002	0.1	Standard	No Exceedance
OW-256	PMP	E002	Cobalt, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0011	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E002	Fluoride, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.25	4.0	Standard	No Exceedance
OW-256	PMP	E002	Lead, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.0023	0.0075	Standard	No Exceedance
OW-256	PMP	E002	Lithium, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0082	0.140	Background	No Exceedance
OW-256	PMP	E002	Mercury, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E002	Molybdenum, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.0016	0.1	Standard	No Exceedance
OW-256	PMP	E002	pH (field)	SU	03/14/23 - 08/03/23	3	0	Most recent sample	6.8/6.8	6.5/11.1	Standard/Background	No Exceedance
OW-256	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.66	5	Standard	No Exceedance
OW-256	PMP	E002	Selenium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E002	Sulfate, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	69	762	Background	No Exceedance
OW-256	PMP	E002	Thallium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E002	Total Dissolved Solids	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	478	3,260	Background	No Exceedance
PZ-170	PMP	E002	pH (field)	SU	03/14/23 - 08/04/23	3	0	Most recent sample	6.6/6.6	6.5/11.1	Standard/Background	No Exceedance
PZ-170	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/04/23	3	0	Most recent sample	1.16	5	Standard	No Exceedance
PZ-182	PMP	E002	Antimony, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E002	Arsenic, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.0104	Background	No Exceedance
PZ-182	PMP	E002	Barium, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.0712	2.0	Standard	No Exceedance
PZ-182	PMP	E002	Beryllium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E002	Boron, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.476	2.16	Background	No Exceedance
PZ-182	PMP	E002	Cadmium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E002	Chloride, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	40	1,370	Background	No Exceedance
PZ-182	PMP	E002	Chromium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E002	Cobalt, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E002	Fluoride, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.16	4.0	Standard	No Exceedance
PZ-182	PMP	E002	Lead, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E002	Lithium, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.0155	0.140	Background	No Exceedance
PZ-182	PMP	E002	Mercury, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E002	Molybdenum, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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-182	PMP	E002	pH (field)	SU	03/14/23 - 08/15/23	3	0	Most recent sample	6.4/6.4	6.5/11.1	Standard/Background	Exceedance
PZ-182	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/15/23	3	0	Most recent sample	1.4	5	Standard	No Exceedance
PZ-182	PMP	E002	Selenium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E002	Sulfate, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	172	762	Background	No Exceedance
PZ-182	PMP	E002	Thallium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E002	Total Dissolved Solids	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	772	3,260	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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.

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around 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:

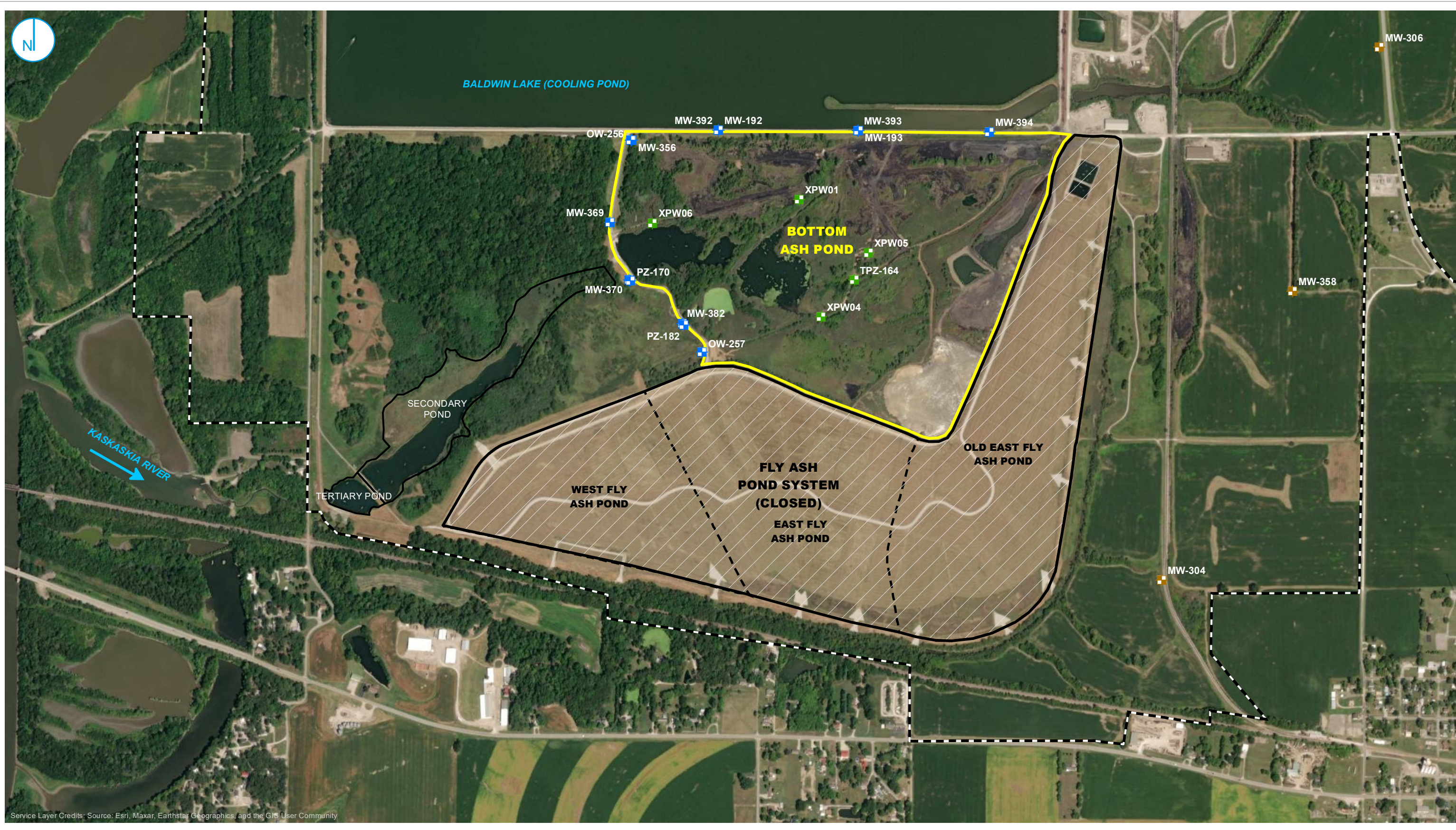
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

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



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

**35 I.A.C. § 845 GROUNDWATER MONITORING WELL NETWORK**

**FIGURE 1**

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

**BOTTOM ASH POND**  
 BALDWIN POWER PLANT  
 BALDWIN, ILLINOIS



## **ATTACHMENTS**

**ATTACHMENT A  
GROUNDWATER ELEVATION DATA  
QUARTER 3, 2023**

**ATTACHMENT A.  
GROUNDWATER ELEVATION DATA - QUARTER 3, 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	08/02/2023	8.42	428.52
MW-193	Compliance	08/02/2023	8.99	429.07
MW-304	Background	08/03/2023	9.84	445.65
MW-306	Background	08/03/2023	17.49	435.68
MW-356	Compliance	08/02/2023	4.43	423.17
MW-358	Background	08/03/2023	31.10	424.63
MW-369	Compliance	08/02/2023	14.56	408.15
MW-370	Compliance	08/02/2023	9.50	411.35
MW-382	Compliance	08/02/2023	16.71	414.48
MW-392	Compliance	08/02/2023	8.18	428.84
MW-393	Compliance	08/02/2023	8.13	429.73
MW-394	Compliance	08/02/2023	7.45	430.84
OW-256	Compliance	08/02/2023	12.73	414.97
OW-257	Compliance	08/02/2023	7.77	423.25
PZ-170	Compliance	08/02/2023	17.76	403.67
PZ-182	Compliance	08/02/2023	19.82	411.79
TPZ-164	Water Level	08/02/2023	3.72	431.38
XPW01	Water Level	08/02/2023	11.16	426.50
XPW05	Water Level	08/02/2023	4.73	432.54
XPW06	Water Level	08/02/2023	2.57	415.15

**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 3, 2023**

October 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-23Q3**

**WorkOrder: 23071339**

Dear Eric Bauer:

TEKLAB, INC received 45 samples on 8/15/2023 2:54:00 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](mailto:ehurley@teklabinc.com)



## Report Contents

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

**Client:** Ramboll

**Work Order:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-23

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
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Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	28
Dates Report	29
Quality Control Results	51
Receiving Check List	111
Chain of Custody	Appended

## Definitions

**Client:** Ramboll

**Work Order:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-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:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-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-23Q3

**Work Order:** 23071339  
**Report Date:** 11-Oct-23

**Cooler Receipt Temp:** 5.7 °C

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

Per Joe Riley, the unpreserved (total) volume for MW-358 was collected on 8/7/23 at 1734 and delivered to the lab on 8/8/23 at 0830. LM/EAH 8/8/23

MW-154 and OW-257 were dry and could not be collected. PZ-170 went dry during sample collection; not all analyses could be completed. EAH 8/9/23

PZ-182, OW-156, and OW-157 were recollected on 8/15/23 due to field meter error. Resamples will be reported. EAH 8/16/23

MW-193, MW-375, MW-377, and MW-394 collection times will be reported per the field notes rather than as listed on the chain of custody. TAC/EAH 8/17/23

MW-356 dissolved Al, Fe and Mn are reported by ICP due to a damaged prep container with no sample volume remaining for re-prep. EAH 9/19/23

BAL-845-601 data is included in this report. EAH 10/11/23

### 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

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Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
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#### 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:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-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 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-009  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-192  
Collection Date: 08/04/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		290	NTU	1	08/04/2023 10:10	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-102	mV	1	08/04/2023 10:10	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		906	µS/cm	1	08/04/2023 10:10	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		18.7	°C	1	08/04/2023 10:10	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	08/04/2023 10:10	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.61		1	08/04/2023 10:10	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		377	mg/L	1	08/08/2023 11:54	R334790
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/08/2023 11:54	R334790
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		192	mg/L	1	08/08/2023 9:32	R334762
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		19	mg/L	1	08/16/2023 1:38	R335058
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.45	mg/L	1	08/14/2023 11:25	R334963
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		24	mg/L	1	08/16/2023 1:38	R335089
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		74.2	mg/L	1	08/07/2023 17:35	210441
Magnesium	NELAP	0.0055	0.0500		32.9	mg/L	1	08/07/2023 17:35	210441
Potassium	NELAP	0.0400	0.100		0.959	mg/L	1	08/07/2023 17:35	210441
Sodium	NELAP	0.0180	0.0500		58.8	mg/L	1	08/08/2023 18:49	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 15:18	210441
Arsenic	NELAP	0.0004	0.0010		0.0030	mg/L	5	09/14/2023 10:45	210441
Barium	NELAP	0.0007	0.0010		0.139	mg/L	5	09/14/2023 10:45	210441
Beryllium	NELAP	0.0002	0.0010	J	0.0003	mg/L	5	09/14/2023 10:45	210441
Boron	NELAP	0.0092	0.0250		0.0397	mg/L	5	09/14/2023 10:45	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 10:45	210441
Chromium	NELAP	0.0007	0.0015		0.0029	mg/L	5	09/14/2023 10:45	210441
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	08/08/2023 15:18	210441
Lead	NELAP	0.0006	0.0010		0.0025	mg/L	5	09/14/2023 10:45	210441
Lithium	*	0.0015	0.0030		0.0070	mg/L	5	08/08/2023 15:18	210441
Molybdenum	*	0.0006	0.0015	J	0.0013	mg/L	5	09/14/2023 10:45	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 15:18	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 15:18	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 12:52	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-010  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23

Client Sample ID: MW-193

Collection Date: 08/04/2023 9:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.9	NTU	1	08/04/2023 9:21	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-13	mV	1	08/04/2023 9:21	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1080	µS/cm	1	08/04/2023 9:21	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.4	°C	1	08/04/2023 9:21	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.91	mg/L	1	08/04/2023 9:21	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.50		1	08/04/2023 9:21	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		311	mg/L	1	08/08/2023 12:01	R334790
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/08/2023 12:01	R334790
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		600	mg/L	2.5	08/08/2023 10:00	R334762
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		150	mg/L	5	08/16/2023 1:51	R335058
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.27	mg/L	1	08/11/2023 15:01	R334891
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		35	mg/L	1	08/16/2023 1:46	R335089
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	89.8	mg/L	1	08/07/2023 17:37	210441
Magnesium	NELAP	0.0055	0.0500	S	34.2	mg/L	1	08/07/2023 17:37	210441
Potassium	NELAP	0.0400	0.100		0.628	mg/L	1	08/07/2023 17:37	210441
Sodium	NELAP	0.0180	0.0500	S	75.0	mg/L	1	08/08/2023 18:50	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 16:36	210441
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	09/14/2023 10:51	210441
Barium	NELAP	0.0007	0.0010		0.0736	mg/L	5	09/14/2023 10:51	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 10:51	210441
Boron	NELAP	0.0092	0.0250		0.0505	mg/L	5	09/14/2023 10:51	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 10:51	210441
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/14/2023 10:51	210441
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	08/08/2023 16:36	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 10:51	210441
Lithium	*	0.0015	0.0030		0.0045	mg/L	5	08/08/2023 16:36	210441
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/14/2023 10:51	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 16:36	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 16:36	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 12:55	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-013  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-304  
Collection Date: 08/03/2023 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.8	NTU	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		78	mV	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		3000	µS/cm	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.2	°C	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	08/03/2023 15:10	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.92		1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		838	mg/L	1	08/07/2023 10:26	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 10:26	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1380	mg/L	1	08/07/2023 9:50	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		188	mg/L	10	08/16/2023 15:26	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		1.70	mg/L	1	08/07/2023 11:17	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		160	mg/L	10	08/16/2023 15:27	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		11.4	mg/L	1	08/07/2023 17:45	210441
Magnesium	NELAP	0.0055	0.0500		4.76	mg/L	1	08/07/2023 17:45	210441
Potassium	NELAP	0.0400	0.100		2.31	mg/L	1	08/07/2023 17:45	210441
Sodium	NELAP	0.0180	0.0500		617	mg/L	1	08/08/2023 19:07	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 16:19	210441
Arsenic	NELAP	0.0004	0.0010		0.0022	mg/L	5	09/14/2023 11:40	210441
Barium	NELAP	0.0007	0.0010		0.0201	mg/L	5	09/14/2023 11:40	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:40	210441
Boron	NELAP	0.0092	0.0250		1.61	mg/L	5	09/14/2023 11:40	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:40	210441
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/14/2023 11:40	210441
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/08/2023 16:19	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 11:40	210441
Lithium	*	0.0015	0.0030		0.0779	mg/L	5	08/08/2023 16:19	210441
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/14/2023 11:40	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 16:19	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 16:19	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:10	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-014  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-306  
Collection Date: 08/04/2023 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.5	NTU	1	08/04/2023 11:10	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		78	mV	1	08/04/2023 11:10	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		738	µS/cm	1	08/04/2023 11:10	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.2	°C	1	08/04/2023 11:10	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.65	mg/L	1	08/04/2023 11:10	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		10.6		1	08/04/2023 11:10	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/08/2023 12:22	R334790
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		81	mg/L	1	08/08/2023 12:22	R334790
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		302	mg/L	1	08/08/2023 10:00	R334762
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		41	mg/L	1	08/16/2023 15:37	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.61	mg/L	1	08/11/2023 15:09	R334891
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		50	mg/L	10	08/18/2023 1:01	R335223
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		2.49	mg/L	1	08/07/2023 17:46	210441
Magnesium	NELAP	0.0055	0.0500		0.0613	mg/L	1	08/07/2023 17:46	210441
Potassium	NELAP	0.0400	0.100		0.980	mg/L	1	08/07/2023 17:46	210441
Sodium	NELAP	0.0180	0.0500		109	mg/L	1	08/08/2023 19:09	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	08/08/2023 16:25	210441
Arsenic	NELAP	0.0004	0.0010		0.0082	mg/L	5	09/14/2023 11:45	210441
Barium	NELAP	0.0007	0.0010		0.0034	mg/L	5	09/14/2023 11:45	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:45	210441
Boron	NELAP	0.0092	0.0250		0.400	mg/L	5	09/14/2023 11:45	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:45	210441
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/14/2023 11:45	210441
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/08/2023 16:25	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 11:45	210441
Lithium	*	0.0015	0.0030		0.0212	mg/L	5	08/08/2023 16:25	210441
Molybdenum	*	0.0006	0.0015		0.0153	mg/L	5	09/14/2023 11:45	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 16:25	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 16:25	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:13	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-018  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-356  
Collection Date: 08/03/2023 13:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.2	NTU	1	08/03/2023 13:22	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	08/03/2023 13:22	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1330	µS/cm	1	08/03/2023 13:22	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.5	°C	1	08/03/2023 13:22	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.53	mg/L	1	08/03/2023 13:22	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.86		1	08/03/2023 13:22	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		524	mg/L	1	08/07/2023 10:36	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 10:36	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		596	mg/L	1	08/07/2023 9:51	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		43	mg/L	1	08/16/2023 16:31	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		2.05	mg/L	1	08/07/2023 11:18	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		28	mg/L	1	08/16/2023 16:31	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		12.5	mg/L	1	08/07/2023 17:58	210441
Magnesium	NELAP	0.0055	0.0500		8.07	mg/L	1	08/07/2023 17:58	210441
Potassium	NELAP	0.0400	0.100		2.95	mg/L	1	08/07/2023 17:58	210441
Sodium	NELAP	0.0180	0.0500		257	mg/L	1	08/08/2023 19:12	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	08/08/2023 17:15	210441
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	09/14/2023 11:56	210441
Barium	NELAP	0.0007	0.0010		0.0329	mg/L	5	09/14/2023 11:56	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:56	210441
Boron	NELAP	0.0092	0.0250		1.94	mg/L	5	09/14/2023 11:56	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 11:56	210441
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	09/14/2023 11:56	210441
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	08/08/2023 17:15	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 11:56	210441
Lithium	*	0.0015	0.0030		0.0518	mg/L	5	08/08/2023 17:15	210441
Molybdenum	*	0.0006	0.0015	J	0.0011	mg/L	5	09/14/2023 11:56	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 17:15	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 17:15	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:17	210448





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND

BAL-845-601  
<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-019  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-358  
Collection Date: 08/07/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.4	NTU	1	08/07/2023 12:31	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-42	mV	1	08/07/2023 12:31	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		6940	µS/cm	1	08/07/2023 12:31	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.1	°C	1	08/07/2023 12:31	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.37	mg/L	1	08/07/2023 12:31	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		8.00		1	08/07/2023 12:31	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		833	mg/L	1	08/08/2023 16:32	R334790
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		10	mg/L	1	08/08/2023 16:32	R334790
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		3160	mg/L	1	08/10/2023 10:24	R334903
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	9	mg/L	1	08/17/2023 14:19	R335217
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		3.36	mg/L	1	08/14/2023 15:00	R334963
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	25	200		1290	mg/L	50	08/16/2023 17:11	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0700	0.100		9.87	mg/L	1	08/14/2023 13:09	210625
Magnesium	NELAP	0.0055	0.0500		5.06	mg/L	1	08/11/2023 17:38	210625
Potassium	NELAP	0.0400	0.100		4.20	mg/L	1	08/11/2023 17:38	210625
Sodium	NELAP	0.180	0.500		1260	mg/L	10	08/15/2023 11:44	210625
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 17:13	210625
Arsenic	NELAP	0.0004	0.0010		0.0038	mg/L	5	09/15/2023 18:14	210625
Barium	NELAP	0.0007	0.0010		0.235	mg/L	5	09/15/2023 2:25	210625
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 2:25	210625
Boron	NELAP	0.0092	0.0250		1.60	mg/L	5	09/15/2023 2:25	210625
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 2:25	210625
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	09/15/2023 18:14	210625
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/11/2023 17:13	210625
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/15/2023 2:25	210625
Lithium	*	0.0015	0.0030		0.0961	mg/L	5	08/11/2023 17:13	210625
Molybdenum	*	0.0006	0.0015		0.0175	mg/L	5	09/15/2023 2:25	210625
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 17:13	210625
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/11/2023 17:13	210625
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/11/2023 14:41	210704



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-021  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-369  
Collection Date: 08/03/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		17	NTU	1	08/03/2023 14:33	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-76	mV	1	08/03/2023 14:33	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2620	µS/cm	1	08/03/2023 14:33	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.8	°C	1	08/03/2023 14:33	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.67	mg/L	1	08/03/2023 14:33	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		8.33		1	08/03/2023 14:33	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		475	mg/L	1	08/07/2023 10:43	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 10:43	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		684	mg/L	1	08/07/2023 9:52	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		121	mg/L	5	08/16/2023 17:20	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.50	mg/L	1	08/07/2023 11:20	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	2	20		59	mg/L	5	08/16/2023 17:22	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		121	mg/L	1	08/07/2023 18:02	210441
Magnesium	NELAP	0.0055	0.0500		39.7	mg/L	1	08/07/2023 18:02	210441
Potassium	NELAP	0.0400	0.100		3.49	mg/L	1	08/07/2023 18:02	210441
Sodium	NELAP	0.0180	0.0500		121	mg/L	1	08/08/2023 19:15	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 17:26	210441
Arsenic	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	09/14/2023 12:07	210441
Barium	NELAP	0.0007	0.0010		0.104	mg/L	5	09/14/2023 12:07	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 12:07	210441
Boron	NELAP	0.0092	0.0250		0.259	mg/L	5	09/14/2023 12:07	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 12:07	210441
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/14/2023 12:07	210441
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	08/08/2023 17:26	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 12:07	210441
Lithium	*	0.0015	0.0030		0.0138	mg/L	5	08/08/2023 17:26	210441
Molybdenum	*	0.0006	0.0015		0.0052	mg/L	5	09/14/2023 12:07	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 17:26	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 17:26	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:22	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-022  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-370  
Collection Date: 08/03/2023 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.3	NTU	1	08/03/2023 15:00	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-17	mV	1	08/03/2023 15:00	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		6670	µS/cm	1	08/03/2023 15:00	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.1	°C	1	08/03/2023 15:00	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	08/03/2023 15:00	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.79		1	08/03/2023 15:00	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		399	mg/L	1	08/07/2023 10:51	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 10:51	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		2870	mg/L	1	08/07/2023 9:53	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		243	mg/L	10	08/16/2023 17:28	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		3.06	mg/L	1	08/07/2023 11:22	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	25	200		1310	mg/L	50	08/16/2023 17:48	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		41.4	mg/L	1	08/07/2023 18:03	210441
Magnesium	NELAP	0.0055	0.0500		24.3	mg/L	1	08/07/2023 18:03	210441
Potassium	NELAP	0.0400	0.100		6.24	mg/L	1	08/07/2023 18:03	210441
Sodium	NELAP	0.0180	0.0500		1160	mg/L	1	08/08/2023 19:17	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 17:32	210441
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	09/14/2023 12:12	210441
Barium	NELAP	0.0007	0.0010		0.0330	mg/L	5	09/14/2023 12:12	210441
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 12:12	210441
Boron	NELAP	0.0092	0.0250		1.73	mg/L	5	09/14/2023 12:12	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 12:12	210441
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	09/14/2023 12:12	210441
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/08/2023 17:32	210441
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 12:12	210441
Lithium	*	0.0015	0.0030		0.134	mg/L	5	08/08/2023 17:32	210441
Molybdenum	*	0.0006	0.0015		0.0074	mg/L	5	09/14/2023 12:12	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 17:32	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 17:32	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:28	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-025  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-382  
Collection Date: 08/03/2023 15:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		180	NTU	1	08/03/2023 15:55	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-36	mV	1	08/03/2023 15:55	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1910	µS/cm	1	08/03/2023 15:55	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.0	°C	1	08/03/2023 15:55	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.51	mg/L	1	08/03/2023 15:55	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.90		1	08/03/2023 15:55	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		489	mg/L	1	08/07/2023 11:05	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 11:05	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		980	mg/L	2.5	08/07/2023 10:14	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		337	mg/L	20	08/16/2023 18:06	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		2.83	mg/L	1	08/07/2023 11:24	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		28	mg/L	1	08/16/2023 18:12	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		27.1	mg/L	1	08/07/2023 18:05	210441
Magnesium	NELAP	0.0055	0.0500		12.2	mg/L	1	08/07/2023 18:05	210441
Potassium	NELAP	0.0400	0.100		5.12	mg/L	1	08/07/2023 18:05	210441
Sodium	NELAP	0.0180	0.0500		410	mg/L	1	08/08/2023 19:28	210441
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/08/2023 17:37	210441
Arsenic	NELAP	0.0004	0.0010		0.0020	mg/L	5	09/14/2023 12:17	210441
Barium	NELAP	0.0007	0.0010		0.0256	mg/L	5	09/14/2023 12:17	210441
Beryllium	NELAP	0.0002	0.0010	J	0.0004	mg/L	5	09/14/2023 12:17	210441
Boron	NELAP	0.0092	0.0250		1.61	mg/L	5	09/14/2023 12:17	210441
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 12:17	210441
Chromium	NELAP	0.0007	0.0015		0.0135	mg/L	5	09/14/2023 12:17	210441
Cobalt	NELAP	0.0001	0.0010		0.0027	mg/L	5	08/08/2023 17:37	210441
Lead	NELAP	0.0006	0.0010		0.0035	mg/L	5	09/14/2023 12:17	210441
Lithium	*	0.0015	0.0030		0.0560	mg/L	5	08/08/2023 17:37	210441
Molybdenum	*	0.0006	0.0015		0.0026	mg/L	5	09/14/2023 12:17	210441
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/08/2023 17:37	210441
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 17:37	210441
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:31	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-030  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-392  
Collection Date: 08/03/2023 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.2	NTU	1	08/03/2023 12:21	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-170	mV	1	08/03/2023 12:21	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		4020	µS/cm	1	08/03/2023 12:21	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		18.2	°C	1	08/03/2023 12:21	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.81	mg/L	1	08/03/2023 12:21	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.86		1	08/03/2023 12:21	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		359	mg/L	1	08/07/2023 11:29	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 11:29	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1810	mg/L	1	08/07/2023 10:15	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		55	mg/L	2	08/16/2023 19:00	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		4.07	mg/L	1	08/07/2023 11:29	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	25	200		878	mg/L	50	08/16/2023 19:06	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		26.0	mg/L	1	08/07/2023 18:30	210442
Magnesium	NELAP	0.0055	0.0500		16.3	mg/L	1	08/07/2023 18:30	210442
Potassium	NELAP	0.0400	0.100		4.84	mg/L	1	08/07/2023 18:30	210442
Sodium	NELAP	0.0180	0.0500		764	mg/L	1	08/08/2023 18:22	210442
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 14:27	210442
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	09/14/2023 13:17	210442
Barium	NELAP	0.0007	0.0010		0.0407	mg/L	5	09/14/2023 13:17	210442
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 14:21	210442
Boron	NELAP	0.0092	0.0250		1.82	mg/L	5	09/14/2023 13:17	210442
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 13:17	210442
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/14/2023 13:17	210442
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/08/2023 19:57	210442
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 13:17	210442
Lithium	*	0.0015	0.0030		0.0733	mg/L	5	08/08/2023 19:57	210442
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/15/2023 14:21	210442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 14:27	210442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 19:57	210442
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:46	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-031  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-393  
Collection Date: 08/03/2023 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.6	NTU	1	08/03/2023 11:43	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		ND	mV	1	08/03/2023 11:43	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		4700	µS/cm	1	08/03/2023 11:43	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		18.0	°C	1	08/03/2023 11:43	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	08/03/2023 11:43	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		8.36		1	08/03/2023 11:43	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		842	mg/L	1	08/07/2023 11:36	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		20	mg/L	1	08/07/2023 11:36	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		2070	mg/L	1	08/07/2023 10:15	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		134	mg/L	5	08/17/2023 14:55	R335217
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		7.32	mg/L	1	08/07/2023 11:39	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	10	80		610	mg/L	20	08/16/2023 19:08	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		6.00	mg/L	1	08/07/2023 18:31	210442
Magnesium	NELAP	0.0055	0.0500		3.33	mg/L	1	08/07/2023 18:31	210442
Potassium	NELAP	0.0400	0.100		2.76	mg/L	1	08/07/2023 18:31	210442
Sodium	NELAP	0.0180	0.0500		930	mg/L	1	08/08/2023 18:23	210442
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 14:33	210442
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/14/2023 13:22	210442
Barium	NELAP	0.0007	0.0010		0.0269	mg/L	5	09/14/2023 13:22	210442
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 14:27	210442
Boron	NELAP	0.0092	0.0250		1.66	mg/L	5	09/14/2023 13:22	210442
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 13:22	210442
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	09/14/2023 13:22	210442
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/08/2023 20:02	210442
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 13:22	210442
Lithium	*	0.0015	0.0030		0.0593	mg/L	5	08/08/2023 20:02	210442
Molybdenum	*	0.0006	0.0015	J	0.0012	mg/L	5	09/15/2023 14:27	210442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 14:33	210442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 20:02	210442
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00012	0.00020		< 0.00020	mg/L	1	08/07/2023 13:49	210448



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-032  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-394  
Collection Date: 08/03/2023 11:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		16	NTU	1	08/03/2023 11:07	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		ND	mV	1	08/03/2023 11:07	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		3660	µS/cm	1	08/03/2023 11:07	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.4	°C	1	08/03/2023 11:07	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.51	mg/L	1	08/03/2023 11:07	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		8.00		1	08/03/2023 11:07	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		593	mg/L	1	08/07/2023 11:45	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 11:45	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1440	mg/L	1	08/07/2023 10:35	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		202	mg/L	10	08/16/2023 19:16	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		2.36	mg/L	1	08/07/2023 11:41	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		324	mg/L	10	08/16/2023 19:16	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		36.7	mg/L	1	08/07/2023 18:33	210442
Magnesium	NELAP	0.0055	0.0500		15.1	mg/L	1	08/07/2023 18:33	210442
Potassium	NELAP	0.0400	0.100		4.87	mg/L	1	08/07/2023 18:33	210442
Sodium	NELAP	0.0180	0.0500		533	mg/L	1	08/08/2023 18:25	210442
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	08/11/2023 14:38	210442
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	09/14/2023 14:22	210442
Barium	NELAP	0.0007	0.0010		0.0478	mg/L	5	09/14/2023 14:22	210442
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 14:32	210442
Boron	NELAP	0.0092	0.0250		1.39	mg/L	5	09/14/2023 14:22	210442
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 14:22	210442
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/14/2023 14:22	210442
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/08/2023 20:08	210442
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 14:22	210442
Lithium	*	0.0015	0.0030		0.0476	mg/L	5	08/08/2023 20:08	210442
Molybdenum	*	0.0006	0.0015		0.0115	mg/L	5	09/15/2023 14:32	210442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 14:38	210442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 20:08	210442
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/07/2023 15:22	210449
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-035  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: OW-256  
Collection Date: 08/03/2023 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.2	NTU	1	08/03/2023 14:07	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-43	mV	1	08/03/2023 14:07	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		987	µS/cm	1	08/03/2023 14:07	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.1	°C	1	08/03/2023 14:07	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.47	mg/L	1	08/03/2023 14:07	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.83		1	08/03/2023 14:07	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		307	mg/L	1	08/07/2023 11:54	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/07/2023 11:54	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		478	mg/L	1	08/07/2023 10:35	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		69	mg/L	2	08/16/2023 19:40	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.25	mg/L	1	08/07/2023 11:43	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	8		55	mg/L	2	08/16/2023 19:40	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		80.6	mg/L	1	08/07/2023 18:34	210442
Magnesium	NELAP	0.0055	0.0500		32.9	mg/L	1	08/07/2023 18:34	210442
Potassium	NELAP	0.0400	0.100		1.14	mg/L	1	08/07/2023 18:34	210442
Sodium	NELAP	0.0180	0.0500		51.8	mg/L	1	08/08/2023 18:27	210442
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 15:24	210442
Arsenic	NELAP	0.0004	0.0010		0.0013	mg/L	5	09/14/2023 14:28	210442
Barium	NELAP	0.0007	0.0010		0.0915	mg/L	5	09/14/2023 14:28	210442
Beryllium	NELAP	0.0002	0.0010	J	0.0007	mg/L	5	09/15/2023 14:37	210442
Boron	NELAP	0.0092	0.0250		0.187	mg/L	5	09/14/2023 14:28	210442
Cadmium	NELAP	0.0002	0.0010	J	0.0004	mg/L	5	09/14/2023 14:28	210442
Chromium	NELAP	0.0007	0.0015		0.0020	mg/L	5	09/14/2023 14:28	210442
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	08/08/2023 20:14	210442
Lead	NELAP	0.0006	0.0010		0.0023	mg/L	5	09/14/2023 14:28	210442
Lithium	*	0.0015	0.0030		0.0082	mg/L	5	08/08/2023 20:14	210442
Molybdenum	*	0.0006	0.0015		0.0016	mg/L	5	09/15/2023 14:37	210442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 15:24	210442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 20:14	210442
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/07/2023 15:25	210449
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071339-037  
**Matrix:** GROUNDWATER

**Work Order:** 23071339  
**Report Date:** 11-Oct-23  
**Client Sample ID:** PZ-170  
**Collection Date:** 08/04/2023 11:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		18	NTU	1	08/04/2023 11:16	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-156	mV	1	08/04/2023 11:16	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1950	µS/cm	1	08/04/2023 11:16	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.4	°C	1	08/04/2023 11:16	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.60	mg/L	1	08/04/2023 11:16	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	08/04/2023 11:16	R335092



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071339-039  
**Matrix:** GROUNDWATER

**Work Order:** 23071339  
**Report Date:** 11-Oct-23  
**Client Sample ID:** TPZ-164  
**Collection Date:** 08/07/2023 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		3.72	ft	1	08/07/2023 13:03	R335092



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071339  
**Report Date:** 11-Oct-23

**Lab ID:** 23071339-040

**Client Sample ID:** XPW01

**Matrix:** GROUNDWATER

**Collection Date:** 08/03/2023 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		<b>11.16</b>	ft	1	08/03/2023 12:39	R335092



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071339-041  
**Matrix:** GROUNDWATER

**Work Order:** 23071339  
**Report Date:** 11-Oct-23  
**Client Sample ID:** XPW05  
**Collection Date:** 08/03/2023 13:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		4.73	ft	1	08/03/2023 13:14	R335092



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071339-042  
**Matrix:** GROUNDWATER

**Work Order:** 23071339  
**Report Date:** 11-Oct-23  
**Client Sample ID:** XPW06  
**Collection Date:** 08/03/2023 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		2.57	ft	1	08/03/2023 13:39	R335092



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-043  
Matrix: AQUEOUS

Work Order: 23071339  
Report Date: 11-Oct-23

Client Sample ID: Field Blank

Collection Date: 08/07/2023 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		1	mg/L	1	08/08/2023 17:04	R334790
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/08/2023 17:04	R334790
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	08/10/2023 10:25	R334903
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	08/16/2023 20:53	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	08/14/2023 11:35	R334963
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	08/16/2023 20:55	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0700	0.100		< 0.100	mg/L	1	08/14/2023 13:11	210625
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	08/11/2023 17:45	210625
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	08/11/2023 17:45	210625
Sodium	NELAP	0.018	0.050	J	0.023	mg/L	1	08/11/2023 17:45	210625
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 17:58	210625
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/15/2023 18:36	210625
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	09/15/2023 2:47	210625
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 2:47	210625
Boron	NELAP	0.0092	0.0250		< 0.0250	mg/L	5	09/15/2023 2:47	210625
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 2:47	210625
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/15/2023 18:36	210625
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/11/2023 17:58	210625
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/15/2023 2:47	210625
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	08/11/2023 17:58	210625
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/15/2023 2:47	210625
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 17:58	210625
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/11/2023 17:58	210625
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/11/2023 15:02	210704



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-044  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: MW-304 Duplicate  
Collection Date: 08/03/2023 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.8	NTU	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		78	mV	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		3000	µS/cm	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.2	°C	1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	08/03/2023 15:10	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.92		1	08/03/2023 15:10	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		809	mg/L	1	08/07/2023 12:24	R334643
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		18	mg/L	1	08/07/2023 12:24	R334643
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1390	mg/L	1	08/07/2023 10:36	R334716
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		213	mg/L	5	08/16/2023 21:02	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		1.69	mg/L	1	08/07/2023 11:50	R334632
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	2	20		172	mg/L	5	08/16/2023 21:03	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		10.9	mg/L	1	08/07/2023 18:55	210442
Magnesium	NELAP	0.0055	0.0500		4.64	mg/L	1	08/07/2023 18:55	210442
Potassium	NELAP	0.0400	0.100		2.32	mg/L	1	08/07/2023 18:55	210442
Sodium	NELAP	0.0180	0.0500		580	mg/L	1	08/07/2023 18:55	210442
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/11/2023 15:47	210442
Arsenic	NELAP	0.0004	0.0010		0.0030	mg/L	5	09/14/2023 15:27	210442
Barium	NELAP	0.0007	0.0010		0.0205	mg/L	5	09/14/2023 15:27	210442
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 15:48	210442
Boron	NELAP	0.0092	0.0250		1.55	mg/L	5	09/14/2023 15:27	210442
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/14/2023 15:27	210442
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/14/2023 15:27	210442
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/08/2023 18:55	210442
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/14/2023 15:27	210442
Lithium	*	0.0015	0.0030		0.0758	mg/L	5	08/08/2023 18:55	210442
Molybdenum	*	0.0006	0.0015	J	0.0011	mg/L	5	09/15/2023 15:48	210442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/11/2023 15:47	210442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/08/2023 18:55	210442
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/07/2023 15:45	210449
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3  
Lab ID: 23071339-045  
Matrix: GROUNDWATER

Work Order: 23071339  
Report Date: 11-Oct-23  
Client Sample ID: PZ-182 (resample)  
Collection Date: 08/15/2023 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.4	NTU	1	08/15/2023 12:37	R335092
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		27	mV	1	08/15/2023 12:37	R335092
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1770	µS/cm	1	08/15/2023 12:37	R335092
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.2	°C	1	08/15/2023 12:37	R335092
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.47	mg/L	1	08/15/2023 12:37	R335092
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.45		1	08/15/2023 12:37	R335092
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		450	mg/L	1	08/17/2023 14:57	R335189
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/17/2023 14:57	R335189
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		772	mg/L	1	08/16/2023 12:40	R335171
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		172	mg/L	10	08/17/2023 0:11	R335139
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.16	mg/L	1	08/16/2023 14:56	R335102
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		40	mg/L	1	08/17/2023 0:07	R335175
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	143	mg/L	1	08/17/2023 17:28	210926
Magnesium	NELAP	0.0055	0.0500	S	56.1	mg/L	1	08/17/2023 17:28	210926
Potassium	NELAP	0.0400	0.100		0.469	mg/L	1	08/17/2023 17:28	210926
Sodium	NELAP	0.0180	0.0500	S	42.5	mg/L	1	08/17/2023 17:28	210926
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	08/30/2023 11:07	210926
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/13/2023 21:43	210926
Barium	NELAP	0.0007	0.0010		0.0712	mg/L	5	09/13/2023 21:43	210926
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 21:43	210926
Boron	NELAP	0.0092	0.0250		0.476	mg/L	5	08/31/2023 17:18	210926
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 21:43	210926
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/13/2023 21:43	210926
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	08/30/2023 11:07	210926
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/13/2023 21:43	210926
Lithium	*	0.0015	0.0030		0.0155	mg/L	5	08/31/2023 17:18	210926
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/13/2023 21:43	210926
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/30/2023 11:07	210926
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 11:07	210926
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00009	0.00020	S	< 0.00020	mg/L	1	08/23/2023 16:33	210943
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.</i>									





## Sample Summary

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071339  
**Report Date:** 11-Oct-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071339-009	MW-192	Groundwater	6	08/04/2023 10:10
23071339-010	MW-193	Groundwater	6	08/04/2023 9:21
23071339-013	MW-304	Groundwater	6	08/03/2023 15:10
23071339-014	MW-306	Groundwater	6	08/04/2023 11:10
23071339-018	MW-356	Groundwater	6	08/03/2023 13:22
23071339-019	MW-358	Groundwater	6	08/07/2023 12:31
23071339-019	MW-358	Groundwater	1	08/07/2023 17:34
23071339-021	MW-369	Groundwater	6	08/03/2023 14:33
23071339-022	MW-370	Groundwater	6	08/03/2023 15:00
23071339-025	MW-382	Groundwater	6	08/03/2023 15:55
23071339-030	MW-392	Groundwater	6	08/03/2023 12:21
23071339-031	MW-393	Groundwater	6	08/03/2023 11:43
23071339-032	MW-394	Groundwater	6	08/03/2023 11:07
23071339-035	OW-256	Groundwater	6	08/03/2023 14:07
23071339-036	OW-257	Groundwater	6	08/04/2023 0:00
23071339-037	PZ-170	Groundwater	1	08/04/2023 11:16
23071339-037	PZ-170	Groundwater	5	08/04/2023 11:16
23071339-039	TPZ-164	Groundwater	1	08/07/2023 13:03
23071339-040	XPW01	Groundwater	1	08/03/2023 12:39
23071339-041	XPW05	Groundwater	1	08/03/2023 13:14
23071339-042	XPW06	Groundwater	1	08/03/2023 13:39
23071339-043	Field Blank	Aqueous	6	08/07/2023 13:30
23071339-044	MW-304 Duplicate	Groundwater	6	08/03/2023 15:10
23071339-045	PZ-182 (resample)	Groundwater	6	08/15/2023 12:37



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071339-009A	MW-192	08/04/2023 10:10	08/04/2023 15:43		
	Ferrous Iron by CHEMets Kit				08/04/2023 10:10
	Standard Methods 2130 B Field				08/04/2023 10:10
	Standard Methods 18th Ed. 2580 B Field				08/04/2023 10:10
	Standard Methods 2320 B (Total) 1997, 2011				08/08/2023 11:54
	Standard Methods 2320 B 1997, 2011				08/08/2023 11:54
	Standard Methods 2510 B Field				08/04/2023 10:10
	Standard Methods 2540 C (Total) 1997, 2011				08/08/2023 9:32
	Standard Methods 2550 B Field				08/04/2023 10:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 19:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 20:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/04/2023 10:10
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 18:00
	SW-846 9036 (Total)				08/16/2023 1:38
	SW-846 9040B Field				08/04/2023 10:10
	SW-846 9214 (Total)				08/14/2023 11:25
	SW-846 9251 (Total)				08/16/2023 1:38
23071339-009B	MW-192	08/04/2023 10:10	08/04/2023 15:43		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 13:21
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 13:21
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 20:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 19:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 17:26
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/11/2023 22:05
	SW-846 9251 (Dissolved)				08/11/2023 22:06
23071339-009C	MW-192	08/04/2023 10:10	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 17:35
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 18:49
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/09/2023 19:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 15:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 10:45
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 12:52
23071339-009D	MW-192	08/04/2023 10:10	08/04/2023 15:43		



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 13:36
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 15:49
23071339-009E	MW-192	08/04/2023 10:10	08/04/2023 15:43		
	SW-846 9060A				08/26/2023 21:29
23071339-009F	MW-192	08/04/2023 10:10	08/04/2023 15:43		
	SW-846 9060A				08/19/2023 0:36
23071339-010A	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	Ferrous Iron by CHEMets Kit				08/04/2023 9:21
	Standard Methods 2130 B Field				08/04/2023 9:21
	Standard Methods 18th Ed. 2580 B Field				08/04/2023 9:21
	Standard Methods 2320 B (Total) 1997, 2011				08/08/2023 12:01
	Standard Methods 2320 B 1997, 2011				08/08/2023 12:01
	Standard Methods 2510 B Field				08/04/2023 9:21
	Standard Methods 2540 C (Total) 1997, 2011				08/08/2023 10:00
	Standard Methods 2550 B Field				08/04/2023 9:21
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 19:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 20:32
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/04/2023 9:21
	Standard Methods 4500-P E 1999				08/08/2023 13:59
	Standard Methods 4500-P E 1999, 2011				08/08/2023 14:27
	SW-846 9036 (Total)				08/16/2023 1:51
	SW-846 9040B Field				08/04/2023 9:21
	SW-846 9214 (Total)				08/11/2023 15:01
	SW-846 9251 (Total)				08/16/2023 1:46
23071339-010B	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/11/2023 16:01
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/11/2023 16:01
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 19:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 19:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/08/2023 14:28
	Standard Methods 4500-P E (Dissolved) 1999				08/08/2023 13:59
	SW-846 9036 (Dissolved)				08/11/2023 22:45
	SW-846 9251 (Dissolved)				08/11/2023 22:27
23071339-010C	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 17:37



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 18:50
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/09/2023 19:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 16:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 10:51
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 12:55
23071339-010D	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 13:37
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 15:54
23071339-010E	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	SW-846 9060A				08/26/2023 22:05
23071339-010F	MW-193	08/04/2023 9:21	08/04/2023 15:43		
	SW-846 9060A				08/19/2023 1:45
23071339-013A	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 15:10
	Field Elevation Measurements				08/03/2023 15:10
	Standard Methods 2130 B Field				08/03/2023 15:10
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 15:10
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 10:26
	Standard Methods 2320 B 1997, 2011				08/07/2023 10:26
	Standard Methods 2510 B Field				08/03/2023 15:10
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 9:50
	Standard Methods 2550 B Field				08/03/2023 15:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 15:10
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 11:47
	SW-846 9036 (Total)				08/16/2023 15:26
	SW-846 9040B Field				08/03/2023 15:10
	SW-846 9214 (Total)				08/07/2023 11:17
	SW-846 9251 (Total)				08/16/2023 15:27
23071339-013B	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:25
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:25
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 15:33



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 11:47
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/11/2023 23:03
	SW-846 9251 (Dissolved)				08/11/2023 23:04
23071339-013C	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 17:45
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 16:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 11:40
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:10
23071339-013D	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 13:58
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 16:49
23071339-013E	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 22:23
23071339-013F	MW-304	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 9060A				08/19/2023 2:04
23071339-014A	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	Ferrous Iron by CHEMets Kit				08/04/2023 11:10
	Field Elevation Measurements				08/04/2023 11:10
	Standard Methods 2130 B Field				08/04/2023 11:10
	Standard Methods 18th Ed. 2580 B Field				08/04/2023 11:10
	Standard Methods 2320 B (Total) 1997, 2011				08/08/2023 12:22
	Standard Methods 2320 B 1997, 2011				08/08/2023 12:22
	Standard Methods 2510 B Field				08/04/2023 11:10
	Standard Methods 2540 C (Total) 1997, 2011				08/08/2023 10:00
	Standard Methods 2550 B Field				08/04/2023 11:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 19:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 20:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/04/2023 11:10
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 18:02
	SW-846 9036 (Total)				08/16/2023 15:37
	SW-846 9040B Field				08/04/2023 11:10
	SW-846 9214 (Total)				08/11/2023 15:09



## Dates Report

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 9251 (Total)				08/18/2023 1:01
23071339-014B	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 13:43
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 13:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 19:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 19:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 17:29
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/11/2023 23:12
	SW-846 9251 (Dissolved)				08/11/2023 23:18
23071339-014C	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 17:46
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 16:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 11:45
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:13
23071339-014D	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 14:00
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 16:54
23071339-014E	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	SW-846 9060A				08/26/2023 22:29
23071339-014F	MW-306	08/04/2023 11:10	08/04/2023 15:43		
	SW-846 9060A				08/19/2023 2:11
23071339-018A	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 13:22
	Field Elevation Measurements				08/03/2023 13:22
	Standard Methods 2130 B Field				08/03/2023 13:22
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 13:22
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 10:36
	Standard Methods 2320 B 1997, 2011				08/07/2023 10:36
	Standard Methods 2510 B Field				08/03/2023 13:22
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 9:51
	Standard Methods 2550 B Field				08/03/2023 13:22
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-O G Field				08/03/2023 13:22
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 11:49
	SW-846 9036 (Total)				08/16/2023 16:31
	SW-846 9040B Field				08/03/2023 13:22
	SW-846 9214 (Total)				08/07/2023 11:18
	SW-846 9251 (Total)				08/16/2023 16:31
23071339-018B	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:34
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:34
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 15:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 11:49
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/12/2023 0:13
	SW-846 9251 (Dissolved)				08/12/2023 0:14
23071339-018C	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 17:58
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 17:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 11:56
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:17
23071339-018D	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 14:03
23071339-018E	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 23:59
23071339-018F	MW-356	08/03/2023 13:22	08/03/2023 17:50		
	SW-846 9060A				08/19/2023 3:33
23071339-019A	MW-358	08/07/2023 17:34	08/07/2023 16:08		
	Standard Methods 2320 B (Total) 1997, 2011				08/08/2023 16:32
	Standard Methods 2320 B 1997, 2011				08/08/2023 16:32
	Standard Methods 2540 C (Total) 1997, 2011				08/10/2023 10:24
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/08/2023 21:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/14/2023 17:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/14/2023 17:44
	Standard Methods 4500-P E 1999				08/08/2023 13:59



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 4500-P E 1999, 2011				08/08/2023 14:24
	SW-846 9036 (Total)				08/17/2023 14:19
	SW-846 9214 (Total)				08/14/2023 15:00
	SW-846 9251 (Total)				08/16/2023 17:11
23071339-019B	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 15:35
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 15:35
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/08/2023 21:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 21:46
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 21:46
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/08/2023 14:26
	Standard Methods 4500-P E (Dissolved) 1999				08/08/2023 13:59
	SW-846 9036 (Dissolved)				08/15/2023 14:52
	SW-846 9251 (Dissolved)				08/12/2023 0:40
23071339-019C	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/09/2023 10:50	08/11/2023 17:38
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/09/2023 10:50	08/14/2023 13:09
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/09/2023 10:50	08/15/2023 11:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	08/11/2023 17:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	09/15/2023 2:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	09/15/2023 18:14
	SW-846 7470A (Total)			08/10/2023 10:57	08/11/2023 14:41
23071339-019D	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/10/2023 11:00	08/11/2023 17:10
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/10/2023 11:00	08/14/2023 12:18
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/10/2023 11:00	08/15/2023 11:43
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/10/2023 11:00	09/15/2023 0:03
23071339-019E	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	SW-846 9060A				08/27/2023 0:05
23071339-019F	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	SW-846 9060A				08/19/2023 3:39
23071339-019G	MW-358	08/07/2023 12:31	08/07/2023 16:08		
	Ferrous Iron by CHEMets Kit				08/07/2023 12:31
	Standard Methods 2130 B Field				08/07/2023 12:31
	Standard Methods 18th Ed. 2580 B Field				08/07/2023 12:31
	Standard Methods 2510 B Field				08/07/2023 12:31
	Standard Methods 2550 B Field				08/07/2023 12:31





## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Standard Methods 4500-O G Field				08/07/2023 12:31
	SW-846 9040B Field				08/07/2023 12:31
23071339-021A	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 14:33
	Field Elevation Measurements				08/03/2023 14:33
	Standard Methods 2130 B Field				08/03/2023 14:33
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 14:33
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 10:43
	Standard Methods 2320 B 1997, 2011				08/07/2023 10:43
	Standard Methods 2510 B Field				08/03/2023 14:33
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 9:52
	Standard Methods 2550 B Field				08/03/2023 14:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 14:33
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 11:51
	SW-846 9036 (Total)				08/16/2023 17:20
	SW-846 9040B Field				08/03/2023 14:33
	SW-846 9214 (Total)				08/07/2023 11:20
	SW-846 9251 (Total)				08/16/2023 17:22
23071339-021B	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:42
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:42
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 15:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 15:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 11:54
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/12/2023 0:50
	SW-846 9251 (Dissolved)				08/12/2023 0:51
23071339-021C	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 18:02
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 17:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 12:07
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:22



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071339-021D	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 14:06
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 17:10
23071339-021E	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 0:25
23071339-021F	MW-369	08/03/2023 14:33	08/03/2023 17:50		
	SW-846 9060A				08/19/2023 3:52
23071339-022A	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 15:00
	Field Elevation Measurements				08/03/2023 15:00
	Standard Methods 2130 B Field				08/03/2023 15:00
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 15:00
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 10:51
	Standard Methods 2320 B 1997, 2011				08/07/2023 10:51
	Standard Methods 2510 B Field				08/03/2023 15:00
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 9:53
	Standard Methods 2550 B Field				08/03/2023 15:00
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 15:00
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 11:55
	SW-846 9036 (Total)				08/16/2023 17:28
	SW-846 9040B Field				08/03/2023 15:00
	SW-846 9214 (Total)				08/07/2023 11:22
	SW-846 9251 (Total)				08/16/2023 17:48
23071339-022B	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:49
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:49
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 15:46
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 11:56
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/12/2023 0:58
	SW-846 9251 (Dissolved)				08/12/2023 1:04



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23071339-022C	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 18:03
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 17:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 12:12
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:28
23071339-022D	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 14:08
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 17:16
23071339-022E	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 0:29
23071339-022F	MW-370	08/03/2023 15:00	08/03/2023 17:50		
	SW-846 9060A				08/24/2023 21:50
23071339-025A	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 15:55
	Field Elevation Measurements				08/03/2023 15:55
	Standard Methods 2130 B Field				08/03/2023 15:55
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 15:55
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 11:05
	Standard Methods 2320 B 1997, 2011				08/07/2023 11:05
	Standard Methods 2510 B Field				08/03/2023 15:55
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:14
	Standard Methods 2550 B Field				08/03/2023 15:55
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 15:59
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 17:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 15:55
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 14:19
	SW-846 9036 (Total)				08/16/2023 18:06
	SW-846 9040B Field				08/03/2023 15:55
	SW-846 9214 (Total)				08/07/2023 11:24
	SW-846 9251 (Total)				08/16/2023 18:12
23071339-025B	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:56
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 8:56
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:33



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 15:48
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 11:59
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/12/2023 2:23
	SW-846 9251 (Dissolved)				08/12/2023 2:19
23071339-025C	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/07/2023 18:05
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/08/2023 19:28
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:00	08/10/2023 10:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	08/08/2023 17:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:00	09/14/2023 12:17
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:31
23071339-025D	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:38	08/07/2023 14:26
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:38	09/14/2023 17:21
23071339-025E	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 0:41
23071339-025F	MW-382	08/03/2023 15:55	08/03/2023 17:50		
	SW-846 9060A				08/24/2023 22:41
23071339-030A	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 12:21
	Standard Methods 2130 B Field				08/03/2023 12:21
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 12:21
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 11:29
	Standard Methods 2320 B 1997, 2011				08/07/2023 11:29
	Standard Methods 2510 B Field				08/03/2023 12:21
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:15
	Standard Methods 2550 B Field				08/03/2023 12:21
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:52
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 12:21
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 12:35
	SW-846 9036 (Total)				08/16/2023 19:00
	SW-846 9040B Field				08/03/2023 12:21



## Dates Report

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9214 (Total)				08/07/2023 11:29
	SW-846 9251 (Total)				08/16/2023 19:06
23071339-030B	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:20
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:20
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 16:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 12:36
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/15/2023 15:03
	SW-846 9251 (Dissolved)				08/15/2023 16:35
23071339-030C	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/07/2023 18:30
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/08/2023 18:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/08/2023 19:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/11/2023 14:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/14/2023 13:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/15/2023 14:21
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:46
23071339-030D	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 14:38
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 0:09
23071339-030E	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 1:41
23071339-030F	MW-392	08/03/2023 12:21	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 17:11
23071339-031A	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 11:43
	Standard Methods 2130 B Field				08/03/2023 11:43
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 11:43
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 11:36
	Standard Methods 2320 B 1997, 2011				08/07/2023 11:36
	Standard Methods 2510 B Field				08/03/2023 11:43
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:15
	Standard Methods 2550 B Field				08/03/2023 11:43
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:40



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 16:55
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 11:43
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 12:36
	SW-846 9036 (Total)				08/17/2023 14:55
	SW-846 9040B Field				08/03/2023 11:43
	SW-846 9214 (Total)				08/07/2023 11:39
	SW-846 9251 (Total)				08/16/2023 19:08
23071339-031B	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 16:11
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 12:37
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/15/2023 17:09
	SW-846 9251 (Dissolved)				08/12/2023 3:39
23071339-031C	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/07/2023 18:31
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/08/2023 18:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/08/2023 20:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/11/2023 14:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/14/2023 13:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/15/2023 14:27
	SW-846 7470A (Total)			08/05/2023 11:29	08/07/2023 13:49
23071339-031D	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 14:53
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 0:15
23071339-031E	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 1:47
23071339-031F	MW-393	08/03/2023 11:43	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 17:17
23071339-032A	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 11:07
	Standard Methods 2130 B Field				08/03/2023 11:07



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 11:07
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 11:45
	Standard Methods 2320 B 1997, 2011				08/07/2023 11:45
	Standard Methods 2510 B Field				08/03/2023 11:07
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:35
	Standard Methods 2550 B Field				08/03/2023 11:07
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 17:03
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 11:07
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 12:39
	SW-846 9036 (Total)				08/16/2023 19:16
	SW-846 9040B Field				08/03/2023 11:07
	SW-846 9214 (Total)				08/07/2023 11:41
	SW-846 9251 (Total)				08/16/2023 19:16
23071339-032B	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:36
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:36
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 16:13
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 12:40
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/12/2023 4:02
	SW-846 9251 (Dissolved)				08/12/2023 4:03
23071339-032C	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/07/2023 18:33
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/08/2023 18:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/08/2023 20:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/11/2023 14:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/14/2023 14:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/15/2023 14:32
	SW-846 7470A (Total)			08/05/2023 11:34	08/07/2023 15:22
23071339-032D	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 14:55
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 0:20



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23071339-032E	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 2:59
23071339-032F	MW-394	08/03/2023 11:07	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 17:23
23071339-035A	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 14:07
	Field Elevation Measurements				08/03/2023 14:07
	Standard Methods 2130 B Field				08/03/2023 14:07
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 14:07
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 11:54
	Standard Methods 2320 B 1997, 2011				08/07/2023 11:54
	Standard Methods 2510 B Field				08/03/2023 14:07
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:35
	Standard Methods 2550 B Field				08/03/2023 14:07
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 14:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 17:05
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 14:07
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 12:44
	SW-846 9036 (Total)				08/16/2023 19:40
	SW-846 9040B Field				08/03/2023 14:07
	SW-846 9214 (Total)				08/07/2023 11:43
	SW-846 9251 (Total)				08/16/2023 19:40
23071339-035B	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:44
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 9:44
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 14:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 16:15
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 12:44
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/16/2023 13:45
	SW-846 9251 (Dissolved)				08/15/2023 22:40
23071339-035C	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/07/2023 18:34
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/08/2023 18:27





## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/08/2023 20:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/11/2023 15:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/14/2023 14:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/15/2023 14:37
	SW-846 7470A (Total)			08/05/2023 11:34	08/07/2023 15:25
23071339-035D	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 14:57
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 0:25
23071339-035E	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 3:05
23071339-035F	OW-256	08/03/2023 14:07	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 17:29
23071339-037A	PZ-170	08/04/2023 11:16	08/15/2023 14:54		
	Ferrous Iron by CHEMets Kit				08/04/2023 11:16
	Field Elevation Measurements				08/04/2023 11:16
	Standard Methods 2130 B Field				08/04/2023 11:16
	Standard Methods 18th Ed. 2580 B Field				08/04/2023 11:16
	Standard Methods 2510 B Field				08/04/2023 11:16
	Standard Methods 2550 B Field				08/04/2023 11:16
	Standard Methods 4500-O G Field				08/04/2023 11:16
	SW-846 9040B Field				08/04/2023 11:16
23071339-037B	PZ-170	08/04/2023 11:16	08/04/2023 15:43		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 14:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 14:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 19:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 20:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 17:33
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/15/2023 22:55
	SW-846 9251 (Dissolved)				08/15/2023 22:56
23071339-037D	PZ-170	08/04/2023 11:16	08/04/2023 15:43		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 14:58
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 0:42
23071339-037F	PZ-170	08/04/2023 11:16	08/04/2023 15:43		
	SW-846 9060A				08/26/2023 17:35
23071339-039A	TPZ-164	08/07/2023 13:03	08/07/2023 16:08		



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Test Name	Prep Date/Time	Analysis Date/Time
				Ferrous Iron by CHEMets Kit		08/07/2023 13:03
				Field Elevation Measurements		08/07/2023 13:03
				Standard Methods 2320 B (Total) 1997, 2011		08/08/2023 16:57
				Standard Methods 2320 B 1997, 2011		08/08/2023 16:57
				Standard Methods 2540 C (Total) 1997, 2011		08/10/2023 10:25
				Standard Methods 4500-NO2 B (Total) 2000, 2011		08/08/2023 21:37
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/14/2023 17:46
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/14/2023 17:46
				Standard Methods 4500-P E 1999		08/08/2023 13:59
				Standard Methods 4500-P E 1999, 2011		08/08/2023 14:21
				SW-846 9036 (Total)		08/16/2023 20:08
				SW-846 9040B Field		08/07/2023 13:03
				SW-846 9214 (Total)		08/14/2023 11:33
				SW-846 9251 (Total)		08/16/2023 20:10
23071339-040A	XPW01	08/03/2023 12:39	08/03/2023 17:50			
				Ferrous Iron by CHEMets Kit		08/03/2023 12:39
				Field Elevation Measurements		08/03/2023 12:39
				Standard Methods 2320 B (Total) 1997, 2011		08/07/2023 12:05
				Standard Methods 2320 B 1997, 2011		08/07/2023 12:05
				Standard Methods 2540 C (Total) 1997, 2011		08/07/2023 10:36
				Standard Methods 4500-NO2 B (Total) 2000, 2011		08/04/2023 14:42
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/04/2023 17:21
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/04/2023 21:10
				Standard Methods 4500-P E 1999		08/04/2023 18:07
				Standard Methods 4500-P E 1999, 2011		08/04/2023 12:48
				SW-846 9036 (Total)		08/16/2023 20:30
				SW-846 9040B Field		08/03/2023 12:39
				SW-846 9214 (Total)		08/07/2023 11:45
				SW-846 9251 (Total)		08/16/2023 20:31
23071339-041A	XPW05	08/03/2023 13:14	08/03/2023 17:50			
				Ferrous Iron by CHEMets Kit		08/03/2023 13:14
				Field Elevation Measurements		08/03/2023 13:14
				Standard Methods 2320 B (Total) 1997, 2011		08/07/2023 12:11
				Standard Methods 2320 B 1997, 2011		08/07/2023 12:11
				Standard Methods 2540 C (Total) 1997, 2011		08/07/2023 10:36
				Standard Methods 4500-NO2 B (Total) 2000, 2011		08/04/2023 16:00
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/04/2023 18:03
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/04/2023 21:10



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 4500-P E 1999				08/10/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/04/2023 14:06
	SW-846 9036 (Total)				08/16/2023 20:38
	SW-846 9040B Field				08/03/2023 13:14
	SW-846 9214 (Total)				08/07/2023 11:47
	SW-846 9251 (Total)				08/16/2023 20:39
23071339-042A	XPW06	08/03/2023 13:39	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 13:39
	Field Elevation Measurements				08/03/2023 13:39
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 12:17
	Standard Methods 2320 B 1997, 2011				08/07/2023 12:17
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:36
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 16:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 18:05
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 14:18
	SW-846 9036 (Total)				08/16/2023 20:51
	SW-846 9040B Field				08/03/2023 13:39
	SW-846 9214 (Total)				08/07/2023 11:49
	SW-846 9251 (Total)				08/18/2023 1:36
23071339-043A	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	Standard Methods 2320 B (Total) 1997, 2011				08/08/2023 17:04
	Standard Methods 2320 B 1997, 2011				08/08/2023 17:04
	Standard Methods 2540 C (Total) 1997, 2011				08/10/2023 10:25
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/08/2023 21:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/14/2023 17:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/14/2023 17:48
	Standard Methods 4500-P E 1999				08/08/2023 13:59
	Standard Methods 4500-P E 1999, 2011				08/08/2023 14:23
	SW-846 9036 (Total)				08/16/2023 20:53
	SW-846 9214 (Total)				08/14/2023 11:35
	SW-846 9251 (Total)				08/16/2023 20:55
23071339-043B	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 16:06
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/08/2023 16:06
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/08/2023 21:32
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 21:57



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 21:57
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/08/2023 14:23
	Standard Methods 4500-P E (Dissolved) 1999				08/08/2023 13:59
	SW-846 9036 (Dissolved)				08/15/2023 23:51
	SW-846 9251 (Dissolved)				08/15/2023 23:52
23071339-043C	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/09/2023 10:50	08/11/2023 17:45
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/09/2023 10:50	08/14/2023 13:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	08/11/2023 17:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	09/15/2023 2:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/09/2023 10:50	09/15/2023 18:36
	SW-846 7470A (Total)			08/10/2023 10:57	08/11/2023 15:02
23071339-043D	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/10/2023 11:00	08/11/2023 17:19
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/10/2023 11:00	08/14/2023 12:31
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/10/2023 11:00	09/15/2023 1:19
23071339-043E	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	SW-846 9060A				08/27/2023 3:47
23071339-043F	Field Blank	08/07/2023 13:30	08/07/2023 16:08		
	SW-846 9060A				08/26/2023 20:47
23071339-044A	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	Ferrous Iron by CHEMets Kit				08/03/2023 15:10
	Field Elevation Measurements				08/03/2023 15:10
	Standard Methods 2130 B Field				08/03/2023 15:10
	Standard Methods 18th Ed. 2580 B Field				08/03/2023 15:10
	Standard Methods 2320 B (Total) 1997, 2011				08/07/2023 12:24
	Standard Methods 2320 B 1997, 2011				08/07/2023 12:24
	Standard Methods 2510 B Field				08/03/2023 15:10
	Standard Methods 2540 C (Total) 1997, 2011				08/07/2023 10:36
	Standard Methods 2550 B Field				08/03/2023 15:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/04/2023 16:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 18:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-O G Field				08/03/2023 15:10
	Standard Methods 4500-P E 1999				08/04/2023 18:07
	Standard Methods 4500-P E 1999, 2011				08/04/2023 14:18
	SW-846 9036 (Total)				08/16/2023 21:02



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9040B Field				08/03/2023 15:10
	SW-846 9214 (Total)				08/07/2023 11:50
	SW-846 9251 (Total)				08/16/2023 21:03
23071339-044B	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 10:09
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/07/2023 10:09
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/04/2023 15:58
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 17:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/04/2023 21:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/04/2023 14:18
	Standard Methods 4500-P E (Dissolved) 1999				08/04/2023 18:07
	SW-846 9036 (Dissolved)				08/16/2023 0:00
	SW-846 9251 (Dissolved)				08/16/2023 0:00
23071339-044C	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/07/2023 18:55
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2023 9:26	08/08/2023 18:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/08/2023 18:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	08/11/2023 15:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/14/2023 15:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/05/2023 9:26	09/15/2023 15:48
	SW-846 7470A (Total)			08/05/2023 11:34	08/07/2023 15:45
23071339-044D	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/07/2023 17:17
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/04/2023 18:39	08/08/2023 13:39
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 1:41
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/04/2023 18:39	09/14/2023 20:04
23071339-044E	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 9060A				08/27/2023 3:53
23071339-044F	MW-304 Duplicate	08/03/2023 15:10	08/03/2023 17:50		
	SW-846 9060A				08/26/2023 20:59
23071339-045A	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
	Ferrous Iron by CHEMets Kit				08/15/2023 12:37
	Field Elevation Measurements				08/15/2023 12:37
	Standard Methods 2130 B Field				08/15/2023 12:37
	Standard Methods 18th Ed. 2580 B Field				08/15/2023 12:37
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:57
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:57



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2510 B Field				08/15/2023 12:37
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 12:40
	Standard Methods 2550 B Field				08/15/2023 12:37
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:03
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:03
	Standard Methods 4500-O G Field				08/15/2023 12:37
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:29
	SW-846 9036 (Total)				08/17/2023 0:11
	SW-846 9040B Field				08/15/2023 12:37
	SW-846 9214 (Total)				08/16/2023 14:56
	SW-846 9251 (Total)				08/17/2023 0:07
23071339-045B	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 15:05
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 15:05
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 21:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:59
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:30
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/17/2023 0:19
	SW-846 9251 (Dissolved)				08/17/2023 0:15
23071339-045C	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 17:28
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/18/2023 16:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 11:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/31/2023 17:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 21:43
	SW-846 7470A (Total)			08/16/2023 7:31	08/23/2023 16:33
23071339-045D	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 9:52
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:01
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 16:31
23071339-045E	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
	SW-846 9060A				08/28/2023 20:14
23071339-045F	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23071339

**Client Project:** BAL-23Q3

**Report Date:** 11-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9060A				08/28/2023 21:26



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 2510 B FIELD

Batch R335092		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R335092											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	08/03/2023	
Spec. Conductance, Field	*	0		1430	1412	0	101.1	90	110	08/04/2023	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	08/04/2023	
Spec. Conductance, Field	*	0		1420	1412	0	100.7	90	110	08/07/2023	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	08/15/2023	
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110	08/03/2023	

### SW-846 9040B FIELD

Batch R335092		SampType: LCS		Units							
SampID: LCS-R335092											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	08/04/2023	
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	08/15/2023	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	08/04/2023	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	08/03/2023	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	08/03/2023	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	08/07/2023	

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R334716		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	08/07/2023	

Batch R334716		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		920	1000	0	92.0	90	110	08/07/2023	

Batch R334716		SampType: DUP		Units mg/L						RPD Limit 10	
SampID: 23071339-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		608				612.0	0.66	08/07/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R334762		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	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/08/2023	

Batch R334762		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	
Total Dissolved Solids		20		952	1000	0	95.2	90	110	08/08/2023	

Batch R334762		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-028ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		732				740.0	1.09	08/08/2023		

Batch R334903		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	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/10/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/10/2023	

Batch R334903		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	
Total Dissolved Solids		20		934	1000	0	93.4	90	110	08/10/2023	
Total Dissolved Solids		20		938	1000	0	93.8	90	110	08/10/2023	

Batch R334903		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-015ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		318				328.0	3.10	08/10/2023		

Batch R335171		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	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/16/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/16/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R335171		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	
Total Dissolved Solids		20		984	1000	0	98.4	90	110	08/16/2023	
Total Dissolved Solids		20		960	1000	0	96.0	90	110	08/16/2023	

Batch R335171		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-045ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		808				772.0	4.56	08/16/2023		

### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R334597		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-006BMS											
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	101.0	85	115	08/04/2023	

Batch R334597		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.6	0.5050	0.40	08/04/2023		

Batch R334597		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-009BMS											
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	105.8	85	115	08/04/2023	

Batch R334597		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	0.5290	4.84	08/04/2023		

Batch R334597		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-013BMS											
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	08/04/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R334597		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23071339-013BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.8	0.5030	0.80	08/04/2023	

Batch R334597		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23071339-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	103.2	85	115	08/04/2023	

Batch R334597		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23071339-018BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	0.5160	2.35	08/04/2023	

Batch R334597		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23071339-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	85	115	08/04/2023	

Batch R334597		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23071339-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	101.0	0.5070	0.40	08/04/2023	

Batch R334597		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23071339-022BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.4	85	115	08/04/2023	

Batch R334597		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23071339-022BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.4	0.5220	9.01	08/04/2023	

Batch R334733		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23071339-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.0	85	115	08/08/2023	



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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch	R334733	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23071339-003BMSD											
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	98.8	0.4950	0.20	08/08/2023	

Batch	R334733	SampType:	MS	Units mg/L			RPD Limit 10				
SampID: 23071339-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.8	85	115	08/08/2023	

Batch	R334733	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23071339-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.6	0.5090	0.20	08/08/2023	

Batch	R334733	SampType:	MS	Units mg/L			RPD Limit 10				
SampID: 23071339-039BMS											
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	100.8	85	115	08/08/2023	

Batch	R334733	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23071339-039BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	101.0	0.5040	0.20	08/08/2023	

Batch	R335044	SampType:	MS	Units mg/L			RPD Limit 10				
SampID: 23071339-045BMS											
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	100.8	85	115	08/15/2023	

Batch	R335044	SampType:	MSD	Units mg/L			RPD Limit 10				
SampID: 23071339-045BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	101.0	0.5040	0.20	08/15/2023	



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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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

Batch R334597		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	08/04/2023	

Batch R334597		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)		0.25		1.22	1.250	0	98.0	90	110	08/04/2023	

Batch R334733		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	08/08/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	08/08/2023	

Batch R334733		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)		0.25		1.20	1.250	0	96.4	90	110	08/08/2023	
Nitrogen, Nitrite (as N)		0.25		1.20	1.250	0	96.4	90	110	08/08/2023	

Batch R335044		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	08/15/2023	

Batch R335044		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)		0.25		1.19	1.250	0	95.2	90	110	08/15/2023	

### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R334618		SampType: MS		Units mg/L							
SampID: 23071339-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.244	0.2500	0	97.6	85	115	08/04/2023	



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Work Order: 23071339

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### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R334618		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23071339-021BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.244</b>	0.2500	0	97.6	0.2440	0.00	08/04/2023

Batch R334618		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23071339-028BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.245</b>	0.2500	0.05300	76.8	85	115	08/04/2023

Batch R334618		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23071339-028BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.245</b>	0.2500	0.05300	76.8	0.2450	0.00	08/04/2023

Batch R334618		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23071339-035BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.244</b>	0.2500	0	97.6	85	115	08/04/2023

Batch R334618		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23071339-035BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.247</b>	0.2500	0	98.8	0.2440	1.22	08/04/2023

Batch R334740		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23071339-024BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.435</b>	0.2500	0.1930	96.8	85	115	08/08/2023

Batch R334740		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23071339-024BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.439</b>	0.2500	0.1930	98.4	0.4350	0.92	08/08/2023

Batch R334934		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23071339-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.287</b>	0.2500	0.04200	98.0	85	115	08/11/2023



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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R334934		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071339-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.285</b>	0.2500	0.04200	97.2	0.2870	0.70	08/11/2023	

Batch R334934		SampType: MS		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071339-039BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.248</b>	0.2500	0	99.2	85	115	08/11/2023	

Batch R334934		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071339-039BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.248</b>	0.2500	0	99.2	0.2480	0.00	08/11/2023	

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

Batch R334618		SampType: MBLK		Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< <b>0.050</b>						08/04/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< <b>0.050</b>	0.0090	0	0	-100	100	08/04/2023	

Batch R334618		SampType: LCS		Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.493</b>	0.5000	0	98.6	90	110	08/04/2023	

Batch R334618		SampType: MS		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071339-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.594</b>	0.2500	0.3350	103.6	85	115	08/04/2023	

Batch R334618		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071339-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.591</b>	0.2500	0.3350	102.4	0.5940	0.51	08/04/2023	



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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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

Batch R334618		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.684</b>	0.2500	0.4280	102.4	85	115	08/04/2023	

Batch R334618		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-025AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.682</b>	0.2500	0.4280	101.6	0.6840	0.29	08/04/2023		

Batch R334618		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.317</b>	0.2500	0.07800	95.6	85	115	08/04/2023	

Batch R334618		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-031AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.303</b>	0.2500	0.07800	90.0	0.3170	4.52	08/04/2023		

Batch R334618		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-040AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.250</b>	0.2500	0	100.0	85	115	08/04/2023	

Batch R334618		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-040AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.251</b>	0.2500	0	100.4	0.2500	0.40	08/04/2023		

Batch R334732		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-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	08/07/2023	

Batch R334732		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		<b>0.502</b>	0.5000	0	100.4	90	110	08/07/2023	





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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

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

Batch R334740		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						08/08/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/08/2023	

Batch R334740		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		0.491	0.5000	0	98.2	90	110	08/08/2023	

Batch R334740		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-015AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.583	0.2500	0.3560	90.8	85	115	08/08/2023	

Batch R334740		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-015AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.576	0.2500	0.3560	88.0	0.5830	1.21	08/08/2023		

Batch R334934		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						08/11/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/11/2023	

Batch R334934		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	08/11/2023	

Batch R334997		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						08/14/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/14/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch R334997		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.512</b>	0.5000	0	102.4	90	110	08/14/2023	

Batch R334997		SampType: MS		Units mg/L							
SampID: 23071339-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.316</b>	0.2500	0.07800	95.2	85	115	08/14/2023	

Batch R334997		SampType: MSD		Units mg/L						RPD Limit 10		Date Analyzed
SampID: 23071339-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.315</b>	0.2500	0.07800	94.8	0.3160	0.32	08/14/2023		

Batch R335128		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< <b>0.050</b>						08/16/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< <b>0.050</b>	0.0090	0	0	-100	100	08/16/2023	

Batch R335128		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.501</b>	0.5000	0	100.2	90	110	08/16/2023	

Batch R335128		SampType: MS		Units mg/L							
SampID: 23071339-045AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.492</b>	0.2500	0.2350	102.8	85	115	08/16/2023	

Batch R335128		SampType: MSD		Units mg/L						RPD Limit 10		Date Analyzed
SampID: 23071339-045AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.483</b>	0.2500	0.2350	99.2	0.4920	1.85	08/16/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-013BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.067</b>	0.0500	0.01000	114.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-013BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.067</b>	0.0500	0.01000	114.0	0.06700	0.00	08/04/2023		

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.061</b>	0.0500	0.008000	106.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-018BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.056</b>	0.0500	0.008000	96.0	0.06100	8.55	08/04/2023		

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-027BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.069</b>	0.0500	0.01500	108.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-027BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.067</b>	0.0500	0.01500	104.0	0.06900	2.94	08/04/2023		

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.105</b>	0.0500	0.04800	114.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-031BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.100</b>	0.0500	0.04800	104.0	0.1050	4.88	08/04/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-032BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.087</b>	0.0500	0.03300	108.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-032BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.089</b>	0.0500	0.03300	112.0	0.08700	2.27	08/04/2023		

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-044BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.067</b>	0.0500	0.01300	108.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-044BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.067</b>	0.0500	0.01300	108.0	0.06700	0.00	08/04/2023		

Batch R334730		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.077</b>	0.0500	0.02300	108.0	85	115	08/08/2023	

Batch R334730		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-003BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.079</b>	0.0500	0.02300	112.0	0.07700	2.56	08/08/2023		

Batch R334730		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.129</b>	0.0500	0.08200	94.0	85	115	08/08/2023	

Batch R334730		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-019BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.129</b>	0.0500	0.08200	94.0	0.1290	0.00	08/08/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334730		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-024BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.053</b>	0.0500	0	106.0	85	115	08/08/2023	

Batch R334730		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-024BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.051</b>	0.0500	0	102.0	0.05300	3.85	08/08/2023		

### STANDARD METHODS 4500-P E 1999, 2011

Batch R334615		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	
Phosphorus, Orthophosphate (as P)		0.010		< <b>0.010</b>	0.0020	0	0	-100	100	08/04/2023	

Batch R334615		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	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.102</b>	0.1000	0	102.0	90	110	08/04/2023	

Batch R334615		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.056</b>	0.0500	0	112.0	85	115	08/04/2023	

Batch R334615		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-022AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010	S	<b>0.060</b>	0.0500	0	120.0	0.05600	6.90	08/04/2023		

Batch R334730		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	
Phosphorus, Orthophosphate (as P)		0.010		< <b>0.010</b>	0.0020	0	0	-100	100	08/08/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### STANDARD METHODS 4500-P E 1999, 2011

Batch R334730		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.103</b>	0.1000	0	103.0	90	110	08/08/2023	

Batch R334938		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	08/10/2023	

Batch R334938		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.099</b>	0.1000	0	99.0	90	110	08/10/2023	

Batch R335135		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	08/16/2023	

Batch R335135		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.108</b>	0.1000	0	108.0	90	110	08/16/2023	

### SW-846 9036 (DISSOLVED)

Batch R334945		SampType: MS		Units mg/L							
SampID: 23071339-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	E	<b>255</b>	100.0	157.5	97.5	85	115	08/11/2023	

Batch R334945		SampType: MSD		Units mg/L							
SampID: 23071339-001BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50	E	<b>256</b>	100.0	157.5	98.0	255.0	0.21	08/11/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9036 (DISSOLVED)

Batch R334945		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		40	20.00	22.26	90.8	85	115	08/11/2023	

Batch R334945		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		40	20.00	22.26	89.2	40.41	0.80	08/11/2023		

Batch R334945		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		164	100.0	74.48	89.7	85	115	08/12/2023	

Batch R334945		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-017BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		165	100.0	74.48	90.2	164.2	0.25	08/12/2023		

Batch R335058		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-030BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		87	40.00	50.06	92.2	85	115	08/15/2023	

Batch R335058		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-030BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		85	40.00	50.06	88.6	86.92	1.66	08/15/2023		

Batch R335139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-035BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		169	100.0	80.36	88.5	85	115	08/16/2023	

Batch R335139		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-035BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		173	100.0	80.36	93.0	168.9	2.65	08/16/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9036 (TOTAL)

Batch R334945		SampType: MBLK		Units mg/L						
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	08/11/2023

Batch R334945		SampType: LCS		Units mg/L						
SampID: ICB/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	08/11/2023

Batch R335058		SampType: MBLK		Units mg/L						
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	08/15/2023

Batch R335058		SampType: MBLK		Units mg/L						
SampID: MBLK/ICB										
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	08/15/2023

Batch R335058		SampType: LCS		Units mg/L						
SampID: ICB/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		18	20.00	0	91.6	90	110	08/15/2023

Batch R335058		SampType: LCS		Units mg/L						
SampID: LCS/ICV										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	92.8	90	110	08/15/2023

Batch R335139		SampType: MBLK		Units mg/L						
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	08/16/2023

Batch R335139		SampType: LCS		Units mg/L						
SampID: ICB/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	96.9	90	110	08/16/2023





## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9036 (TOTAL)

Batch R335139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		1760	1000	852.3	91.2	85	115	08/16/2023	

Batch R335139		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500		1760	1000	852.3	90.9	1764	0.13	08/16/2023		

Batch R335139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-014AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	59	20.00	40.69	92.6	85	115	08/16/2023	

Batch R335139		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-014AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	E	60	20.00	40.69	98.6	59.22	1.99	08/16/2023		

Batch R335139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	61	20.00	42.96	90.7	85	115	08/16/2023	

Batch R335139		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-018AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	E	61	20.00	42.96	89.5	61.10	0.39	08/16/2023		

Batch R335139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	108	40.00	69.27	98.1	85	115	08/16/2023	

Batch R335139		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-035AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	E	110	40.00	69.27	103.0	108.5	1.79	08/16/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9036 (TOTAL)

Batch R335217		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	08/17/2023	

Batch R335217		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	99.6	90	110	08/17/2023	

Batch R335217		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500	S	1540	1000	732.0	81.2	85	115	08/17/2023	

Batch R335217		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-005AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500		1600	1000	732.0	86.5	1544	3.37	08/17/2023		

Batch R335341		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	08/21/2023	

Batch R335341		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	08/21/2023	

### SW-846 9060A

Batch R334982		SampType: MBLK		Units mg/L							Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/14/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9060A

Batch R334982		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-005FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0	S	4.8	5.000	0.7800	80.6	85	115	08/15/2023	

Batch R334982		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-005FMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0	S	4.9	5.000	0.7800	81.8	4.810	1.24	08/15/2023		

Batch R335281		SampType: MBLK		Units mg/L							Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/18/2023	

Batch R335281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-009FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.4	5.000	1.800	92.0	85	115	08/19/2023	

Batch R335281		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-009FMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0		6.1	5.000	1.800	86.6	6.400	4.31	08/19/2023		

Batch R335281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-016FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0	S	4.1	5.000	0	81.6	85	115	08/19/2023	

Batch R335281		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-016FMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0	S	4.0	5.000	0	79.0	4.080	3.24	08/19/2023		

Batch R335506		SampType: MBLK		Units mg/L							Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/24/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9060A

Batch R335506		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	08/24/2023	

Batch R335506		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.3	5.000	0	105.6	90	110	08/24/2023	

Batch R335506		SampType: MS		Units mg/L							
SampID: 23071339-011FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.3	5.000	0.9700	106.0	85	115	08/24/2023	

Batch R335506		SampType: MSD		Units mg/L							
SampID: 23071339-011FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		6.2	5.000	0.9700	105.0	6.270	0.80	08/24/2023	

Batch R335506		SampType: MS		Units mg/L							
SampID: 23071339-026FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.6	5.000	1.570	100.8	85	115	08/24/2023	

Batch R335506		SampType: MSD		Units mg/L							
SampID: 23071339-026FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		6.6	5.000	1.570	100.4	6.610	0.30	08/24/2023	

Batch R335573		SampType: MBLK		Units mg/L							
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/26/2023	

Batch R335573		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	08/26/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9060A

Batch R335573		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	
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	98.8	90	110	08/26/2023	

Batch R335573		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-015EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		7.3	5.000	2.350	98.2	85	115	08/26/2023	

Batch R335573		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-015EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		1.0		7.4	5.000	2.350	100.8	7.260	1.77	08/26/2023		

Batch R335573		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-031EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.6	5.000	0.9500	94.0	85	115	08/27/2023	

Batch R335573		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-031EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		1.0		5.4	5.000	0.9500	89.4	5.650	4.16	08/27/2023		

Batch R335573		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-038FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		7.0	5.000	2.520	89.8	85	115	08/26/2023	

Batch R335573		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071339-038FMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0		7.1	5.000	2.520	90.8	7.010	0.71	08/26/2023		

Batch R335573		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-041FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		8.9	5.000	3.600	106.6	85	115	08/26/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9060A

Batch	R335573	SampType:	MSD	Units mg/L							RPD Limit	10
SampID: 23071339-041FMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0		8.5	5.000	3.600	98.8	8.930	4.46	08/26/2023		

Batch	R335646	SampType:	MBLK	Units mg/L							
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/28/2023	

Batch	R335646	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	08/28/2023	

Batch	R335646	SampType:	MBLK	Units mg/L							
SampID: MB-R335646											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/28/2023	

Batch	R335646	SampType:	LCS	Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		4.7	5.000	0	93.8	90	110	08/28/2023	

Batch	R335646	SampType:	LCS	Units mg/L							
SampID: LCS-R335646											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		4.7	5.000	0	93.8	90	110	08/28/2023	

Batch	R335646	SampType:	MS	Units mg/L							
SampID: 23071339-045EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.5	5.000	1.240	86.0	85	115	08/28/2023	

Batch	R335646	SampType:	MSD	Units mg/L							RPD Limit	10
SampID: 23071339-045EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		1.0		5.5	5.000	1.240	85.4	5.540	0.54	08/28/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9214 (TOTAL)

Batch R334632		SampType: MBLK		Units mg/L							
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	08/07/2023	

Batch R334632		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.00	1.000	0	99.6	90	110	08/07/2023	

Batch R334632		SampType: MS		Units mg/L							
SampID: 23071339-030AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		6.21	2.000	4.073	106.9	75	125	08/07/2023	

Batch R334632		SampType: MSD		Units mg/L							
SampID: 23071339-030AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		6.31	2.000	4.073	111.7	6.210	1.55	08/07/2023	

Batch R334632		SampType: MS		Units mg/L							
SampID: 23071339-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.80	2.000	1.691	105.5	75	125	08/07/2023	

Batch R334632		SampType: MSD		Units mg/L							
SampID: 23071339-044AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		3.75	2.000	1.691	102.9	3.801	1.38	08/07/2023	

Batch R334891		SampType: MBLK		Units mg/L							
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	08/11/2023	

Batch R334891		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		0.98	1.000	0	97.9	90	110	08/11/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9214 (TOTAL)

Batch R334891		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.52	2.000	0.4380	104.3	75	125	08/11/2023	

Batch R334891		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-006AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.47	2.000	0.4380	101.6	2.524	2.20	08/11/2023		

Batch R334891		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-029AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		5.28	2.000	3.244	101.8	75	125	08/11/2023	

Batch R334891		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-029AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		5.34	2.000	3.244	104.6	5.279	1.07	08/11/2023		

Batch R334891		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-038AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.17	2.000	0.2430	96.6	75	125	08/11/2023	

Batch R334891		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-038AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.19	2.000	0.2430	97.4	2.174	0.73	08/11/2023		

Batch R334963		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	08/14/2023	

Batch R334963		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		0.97	1.000	0	97.0	90	110	08/14/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9214 (TOTAL)

Batch R334963		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		5.54	2.000	3.357	109.3	75	125	08/14/2023	

Batch R334963		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-019AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		5.37	2.000	3.357	100.8	5.542	3.12	08/14/2023		

Batch R334963		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-043AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.12	2.000	0	105.8	75	125	08/14/2023	

Batch R334963		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-043AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.11	2.000	0	105.4	2.116	0.43	08/14/2023		

Batch R335102		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	08/16/2023	

Batch R335102		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		1.00	1.000	0	99.6	90	110	08/16/2023	

Batch R335102		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-045AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.08	2.000	0.1640	95.8	75	125	08/16/2023	

Batch R335102		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-045AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.11	2.000	0.1640	97.3	2.081	1.38	08/16/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9251 (DISSOLVED)

Batch R334956		SampType: MS		Units mg/L							Date
SampID: 23071339-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		<b>33</b>	20.00	13.92	93.6	85	115		08/11/2023

Batch R334956		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23071339-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		<b>32</b>	20.00	13.92	91.4	32.63	1.30		08/11/2023

Batch R334956		SampType: MS		Units mg/L							Date
SampID: 23071339-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		<b>41</b>	20.00	23.37	86.4	85	115		08/11/2023

Batch R334956		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23071339-009BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		<b>41</b>	20.00	23.37	87.4	40.64	0.49		08/11/2023

Batch R334956		SampType: MS		Units mg/L							Date
SampID: 23071339-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		<b>35</b>	20.00	17.24	89.8	85	115		08/11/2023

Batch R334956		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23071339-017BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		<b>35</b>	20.00	17.24	89.3	35.19	0.26		08/11/2023

Batch R335089		SampType: MS		Units mg/L							Date
SampID: 23071339-030BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		200		<b>1770</b>	1000	882.5	88.7	85	115		08/15/2023

Batch R335089		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23071339-030BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		200		<b>1790</b>	1000	882.5	90.9	1770	1.22		08/15/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9251 (DISSOLVED)

Batch R335089		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-035BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		247	200.0	53.29	96.9	85	115	08/15/2023	

Batch R335089		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23071339-035BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		40		246	200.0	53.29	96.5	247.0	0.27	08/15/2023		

### SW-846 9251 (TOTAL)

Batch R334956		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	08/11/2023	

Batch R334956		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	105.8	90	110	08/11/2023	

Batch R335089		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	08/15/2023	

Batch R335089		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK/ICB											
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	08/15/2023	

Batch R335089		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		20	20.00	0	99.0	90	110	08/15/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9251 (TOTAL)

Batch R335089		SampType: LCS		Units mg/L							
SampID: LCS/ICV											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	100.9	90	110	08/15/2023	

Batch R335089		SampType: MS		Units mg/L							
SampID: 23071339-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8	S	87	40.00	53.47	82.8	85	115	08/16/2023	

Batch R335089		SampType: MSD		Units mg/L							
SampID: 23071339-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		8	S	84	40.00	53.47	76.6	86.57	2.91	08/16/2023	

Batch R335089		SampType: MS		Units mg/L							
SampID: 23071339-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		135	100.0	37.34	97.5	85	115	08/16/2023	

Batch R335089		SampType: MSD		Units mg/L							
SampID: 23071339-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		134	100.0	37.34	96.4	134.9	0.89	08/16/2023	

Batch R335175		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	08/16/2023	

Batch R335175		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	99.7	90	110	08/16/2023	

Batch R335175		SampType: MS		Units mg/L							
SampID: 23071339-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		45	20.00	28.21	85.0	85	115	08/16/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9251 (TOTAL)

Batch R335175		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071339-018AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		46	20.00	28.21	87.2	45.21	0.97	08/16/2023	

Batch R335175		SampType: MS		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071339-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		90	40.00	55.47	86.3	85	115	08/16/2023	

Batch R335175		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071339-035AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		8		90	40.00	55.47	86.6	89.99	0.13	08/16/2023	

Batch R335223		SampType: MBLK		Units mg/L			RPD Limit 15				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/17/2023	

Batch R335223		SampType: LCS		Units mg/L			RPD Limit 15				Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	100.8	90	110	08/17/2023	

Batch R335223		SampType: MS		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071339-014AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		233	200.0	50.11	91.6	85	115	08/18/2023	

Batch R335223		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071339-014AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		40		231	200.0	50.11	90.7	233.2	0.76	08/18/2023	

Batch R335354		SampType: MBLK		Units mg/L			RPD Limit 15				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/21/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 9251 (TOTAL)

Batch R335354		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	
Chloride		4		<b>20</b>	20.00	0	98.6	90	110	08/21/2023	

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

Batch 210445		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210445											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100	08/07/2023	
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100	08/07/2023	
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	08/07/2023	
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	08/07/2023	
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	08/07/2023	
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	08/07/2023	
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	08/07/2023	
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	08/07/2023	
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	08/07/2023	

Batch 210445		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210445											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>1.83</b>	2.000	0	91.5	85	115	08/07/2023	
Boron		0.0200		<b>0.458</b>	0.5000	0	91.6	85	115	08/07/2023	
Calcium		0.100		<b>2.40</b>	2.500	0	96.2	85	115	08/07/2023	
Iron		0.0400		<b>1.81</b>	2.000	0	90.4	85	115	08/07/2023	
Magnesium		0.0500		<b>2.37</b>	2.500	0	94.6	85	115	08/07/2023	
Manganese		0.0070		<b>0.448</b>	0.5000	0	89.6	85	115	08/07/2023	
Potassium		0.100		<b>2.62</b>	2.500	0	104.8	85	115	08/07/2023	
Silicon	*	0.0500		<b>0.450</b>	0.5000	0	90.0	85	115	08/07/2023	
Sodium		0.0500		<b>2.32</b>	2.500	0	92.8	85	115	08/07/2023	

Batch 210445		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0200		<b>0.713</b>	0.5000	0.2382	95.0	75	125	08/08/2023	
Iron		0.0400		<b>2.91</b>	2.000	0.8619	102.4	75	125	08/08/2023	
Manganese		0.0070		<b>1.72</b>	0.5000	1.224	98.2	75	125	08/08/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210445		SampType: MSD		Units mg/L			RPD Limit 20			
SampID: 23071339-002DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		<b>0.706</b>	0.5000	0.2382	93.6	0.7133	0.99	08/08/2023
Iron		0.0400		<b>2.87</b>	2.000	0.8619	100.4	2.910	1.38	08/08/2023
Manganese		0.0070		<b>1.70</b>	0.5000	1.224	96.0	1.715	0.65	08/08/2023

Batch 210445		SampType: MS		Units mg/L			RPD Limit 20			
SampID: 23071339-025DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>18.1</b>	2.500	15.52	102.0	75	125	08/07/2023
Magnesium		0.0500		<b>11.4</b>	2.500	9.039	94.7	75	125	08/07/2023
Potassium		0.100		<b>5.35</b>	2.500	2.695	106.4	75	125	08/07/2023
Silicon	*	0.0500		<b>4.04</b>	0.5000	3.550	97.8	75	125	08/07/2023
Sodium		0.0500	S	<b>361</b>	2.500	360.6	10.8	75	125	08/07/2023

Batch 210445		SampType: MSD		Units mg/L			RPD Limit 20			
SampID: 23071339-025DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		<b>18.0</b>	2.500	15.52	98.4	18.07	0.50	08/07/2023
Magnesium		0.0500		<b>11.3</b>	2.500	9.039	89.9	11.41	1.07	08/07/2023
Potassium		0.100		<b>5.33</b>	2.500	2.695	105.5	5.355	0.43	08/07/2023
Silicon	*	0.0500		<b>4.01</b>	0.5000	3.550	92.1	4.039	0.71	08/07/2023
Sodium		0.0500	S	<b>360</b>	2.500	360.6	-20.0	360.8	0.21	08/07/2023

Batch 210446		SampType: MBLK		Units mg/L			RPD Limit 20			
SampID: MBLK-210446										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>&lt; 0.0250</b>	0.0127	0	0	-100	100	08/07/2023
Boron		0.0200		<b>&lt; 0.0200</b>	0.0090	0	0	-100	100	08/07/2023
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	08/07/2023
Iron		0.0400		<b>&lt; 0.0400</b>	0.0200	0	0	-100	100	08/07/2023
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	08/07/2023
Manganese		0.0070		<b>&lt; 0.0070</b>	0.0025	0	0	-100	100	08/07/2023
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	08/07/2023
Silicon	*	0.0500		<b>&lt; 0.0500</b>	0.0122	0	0	-100	100	08/07/2023
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	08/07/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210446 SampType: LCS Units mg/L  
SampID: LCS-210446

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.81	2.000	0	90.7	85	115	08/07/2023
Boron		0.0200		0.450	0.5000	0	90.0	85	115	08/07/2023
Calcium		0.100		2.36	2.500	0	94.6	85	115	08/07/2023
Iron		0.0400		1.78	2.000	0	88.8	85	115	08/07/2023
Magnesium		0.0500		2.32	2.500	0	92.6	85	115	08/07/2023
Manganese		0.0070		0.440	0.5000	0	88.0	85	115	08/07/2023
Potassium		0.100		2.60	2.500	0	103.9	85	115	08/07/2023
Silicon	*	0.0500		0.431	0.5000	0	86.2	85	115	08/07/2023
Sodium		0.0500		2.31	2.500	0	92.5	85	115	08/07/2023

Batch 210446 SampType: MS Units mg/L  
SampID: 23071339-037DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	191	2.500	187.6	150.8	75	125	08/07/2023
Magnesium		0.0500	S	76.6	2.500	73.11	138.3	75	125	08/07/2023
Potassium		0.100		3.70	2.500	1.140	102.2	75	125	08/07/2023
Silicon	*	0.0500		12.4	0.5000	11.81	112.9	75	125	08/07/2023
Sodium		0.0500		88.3	2.500	85.60	109.6	75	125	08/07/2023

Batch 210446 SampType: MSD Units mg/L RPD Limit 20  
SampID: 23071339-037DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	188	2.500	187.6	24.0	191.4	1.67	08/07/2023
Magnesium		0.0500		75.5	2.500	73.11	94.3	76.57	1.45	08/07/2023
Potassium		0.100		3.68	2.500	1.140	101.7	3.695	0.32	08/07/2023
Silicon	*	0.0500		12.3	0.5000	11.81	89.4	12.38	0.95	08/07/2023
Sodium		0.0500	S	87.2	2.500	85.60	65.2	88.34	1.26	08/07/2023





## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210663 SampType: MBLK Units mg/L  
SampID: MBLK-210663

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/11/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/11/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/14/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/11/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/11/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/11/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/11/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/14/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/11/2023

Batch 210663 SampType: LCS Units mg/L  
SampID: LCS-210663

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.77	2.000	0	88.5	85	115	08/14/2023
Boron		0.0200		0.450	0.5000	0	89.9	85	115	08/14/2023
Calcium		0.100		2.37	2.500	0	94.8	85	115	08/14/2023
Iron		0.0400		1.87	2.000	0	93.4	85	115	08/14/2023
Magnesium		0.0500		2.15	2.500	0	86.2	85	115	08/14/2023
Manganese		0.0070		0.440	0.5000	0	88.1	85	115	08/14/2023
Potassium		0.100		2.41	2.500	0	96.4	85	115	08/11/2023
Sodium		0.0500		2.23	2.500	0	89.3	85	115	08/11/2023

Batch 210663 SampType: MS Units mg/L  
SampID: 23071339-017DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		0.452	0.5000	0.01060	88.3	75	125	08/14/2023
Iron		0.0400		1.74	2.000	0.05770	83.9	75	125	08/11/2023
Manganese		0.0070		0.414	0.5000	0	82.8	75	125	08/11/2023

Batch 210663 SampType: MSD Units mg/L  
SampID: 23071339-017DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		0.450	0.5000	0.01060	87.8	0.4519	0.49	08/14/2023
Iron		0.0400		1.74	2.000	0.05770	84.0	1.736	0.07	08/11/2023
Manganese		0.0070		0.413	0.5000	0	82.6	0.4141	0.24	08/11/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210928 SampType: MBLK Units mg/L

SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/16/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/16/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/16/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/16/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/16/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/16/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/16/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/16/2023

Batch 210928 SampType: LCS Units mg/L

SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.75	2.000	0	87.7	85	115	08/16/2023
Boron		0.0200		0.432	0.5000	0	86.4	85	115	08/16/2023
Calcium		0.100		2.37	2.500	0	94.8	85	115	08/16/2023
Iron		0.0400		1.75	2.000	0	87.5	85	115	08/16/2023
Magnesium		0.0500		2.33	2.500	0	93.4	85	115	08/17/2023
Manganese		0.0070		0.432	0.5000	0	86.5	85	115	08/16/2023
Potassium		0.100		2.50	2.500	0	100.0	85	115	08/16/2023
Silicon	*	0.0500		0.444	0.5000	0	88.8	85	115	08/16/2023
Sodium		0.0500		2.28	2.500	0	91.2	85	115	08/16/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441 SampType: MBLK Units mg/L

SampID: MBLK-210441

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/07/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/08/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/08/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/07/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/08/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/07/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/07/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/08/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	08/08/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/08/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/07/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/08/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/07/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/08/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/07/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/08/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/08/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/08/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/08/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/07/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/07/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/08/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/08/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/07/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/07/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/08/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/07/2023
Silicon	*	0.0500	JS	0.031	0.0122	0	253.3	-100	100	08/08/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/07/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/08/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/07/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441 SampType: LCS Units mg/L  
SampID: LCS-210441

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.10</b>	2.000	0	105.0	85	115	08/08/2023
Aluminum		0.0250		<b>2.00</b>	2.000	0	99.8	85	115	08/07/2023
Antimony		0.0500		<b>0.559</b>	0.5000	0	111.8	85	115	08/08/2023
Antimony		0.0500		<b>0.520</b>	0.5000	0	104.0	85	115	08/07/2023
Arsenic		0.0250		<b>0.574</b>	0.5000	0	114.7	85	115	08/08/2023
Arsenic		0.0250		<b>0.534</b>	0.5000	0	106.9	85	115	08/07/2023
Barium		0.0025		<b>2.05</b>	2.000	0	102.5	85	115	08/07/2023
Barium		0.0025		<b>2.20</b>	2.000	0	110.0	85	115	08/08/2023
Beryllium		0.0005		<b>0.0544</b>	0.0500	0	108.8	85	115	08/08/2023
Boron		0.0200		<b>0.547</b>	0.5000	0	109.4	85	115	08/08/2023
Boron		0.0200		<b>0.502</b>	0.5000	0	100.5	85	115	08/07/2023
Cadmium		0.0020		<b>0.0561</b>	0.0500	0	112.2	85	115	08/08/2023
Cadmium		0.0020		<b>0.0516</b>	0.0500	0	103.2	85	115	08/07/2023
Calcium		0.100		<b>2.80</b>	2.500	0	111.8	85	115	08/08/2023
Calcium		0.100		<b>2.60</b>	2.500	0	104.0	85	115	08/07/2023
Chromium		0.0050		<b>0.215</b>	0.2000	0	107.7	85	115	08/08/2023
Cobalt		0.0050		<b>0.542</b>	0.5000	0	108.4	85	115	08/08/2023
Iron		0.0400		<b>2.23</b>	2.000	0	111.5	85	115	08/08/2023
Lead		0.0150		<b>0.544</b>	0.5000	0	108.9	85	115	08/08/2023
Lead		0.0150		<b>0.495</b>	0.5000	0	98.9	85	115	08/07/2023
Magnesium		0.0500		<b>2.55</b>	2.500	0	102.0	85	115	08/07/2023
Manganese		0.0070		<b>0.530</b>	0.5000	0	105.9	85	115	08/08/2023
Molybdenum		0.0100		<b>0.490</b>	0.5000	0	98.0	85	115	08/07/2023
Molybdenum		0.0100		<b>0.535</b>	0.5000	0	106.9	85	115	08/08/2023
Potassium		0.100		<b>2.83</b>	2.500	0	113.1	85	115	08/07/2023
Potassium		0.100		<b>2.87</b>	2.500	0	114.8	85	115	08/08/2023
Selenium		0.0400		<b>0.521</b>	0.5000	0	104.1	85	115	08/07/2023
Selenium		0.0400		<b>0.559</b>	0.5000	0	111.9	85	115	08/08/2023
Silicon	*	0.0500	B	<b>0.513</b>	0.5000	0	102.6	85	115	08/08/2023
Sodium		0.0500		<b>2.53</b>	2.500	0	101.4	85	115	08/07/2023
Sodium		0.0500		<b>2.69</b>	2.500	0	107.5	85	115	08/08/2023
Thallium		0.0500		<b>0.260</b>	0.2500	0	103.8	85	115	08/07/2023
Thallium		0.0500		<b>0.278</b>	0.2500	0	111.2	85	115	08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-010CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	<b>90.5</b>	2.500	89.78	27.2	75	125	08/07/2023	
Magnesium		0.0500	S	<b>36.0</b>	2.500	34.18	71.0	75	125	08/07/2023	
Potassium		0.100		<b>3.32</b>	2.500	0.6284	107.8	75	125	08/07/2023	
Silicon	*	0.0500	B	<b>10.6</b>	0.5000	10.15	87.5	75	125	08/08/2023	
Sodium		0.0500	S	<b>76.0</b>	2.500	74.99	39.6	75	125	08/08/2023	

Batch 210441		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-010CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100		<b>91.9</b>	2.500	89.78	85.6	90.46	1.60	08/07/2023		
Magnesium		0.0500		<b>36.5</b>	2.500	34.18	93.1	35.96	1.52	08/07/2023		
Potassium		0.100		<b>3.40</b>	2.500	0.6284	110.7	3.324	2.16	08/07/2023		
Silicon	*	0.0500	B	<b>10.6</b>	0.5000	10.15	85.8	10.59	0.08	08/08/2023		
Sodium		0.0500	S	<b>76.0</b>	2.500	74.99	39.6	75.98	0.00	08/08/2023		

Batch 210441		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-027CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>7.57</b>	2.500	5.320	90.0	75	125	08/07/2023	
Magnesium		0.0500		<b>4.56</b>	2.500	2.368	87.5	75	125	08/07/2023	
Potassium		0.100		<b>4.54</b>	2.500	1.901	105.6	75	125	08/07/2023	
Silicon	*	0.0500	B	<b>4.89</b>	0.5000	4.444	89.1	75	125	08/08/2023	
Sodium		0.0500	S	<b>695</b>	2.500	695.4	-4.4	75	125	08/08/2023	

Batch 210441		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-027CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100		<b>7.35</b>	2.500	5.320	81.2	7.570	2.95	08/07/2023		
Magnesium		0.0500		<b>4.39</b>	2.500	2.368	81.0	4.555	3.65	08/07/2023		
Potassium		0.100		<b>4.47</b>	2.500	1.901	102.9	4.541	1.48	08/07/2023		
Silicon	*	0.0500	B	<b>4.98</b>	0.5000	4.444	107.6	4.889	1.87	08/08/2023		
Sodium		0.0500	S	<b>699</b>	2.500	695.4	145.2	695.3	0.54	08/08/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210442 SampType: MBLK Units mg/L  
SampID: MBLK-210442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/08/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/07/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/08/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/07/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/07/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/07/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/08/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	08/08/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/07/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/08/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/07/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/07/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/08/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/08/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/08/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/08/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/08/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/07/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/08/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/08/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/07/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/07/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/07/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/08/2023
Silicon	*	0.0500	JS	0.032	0.0122	0	266.4	-100	100	08/08/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/07/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/07/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210442 SampType: LCS Units mg/L  
SampID: LCS-210442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.97</b>	2.000	0	98.3	85	115	08/08/2023
Aluminum		0.0250		<b>1.94</b>	2.000	0	97.1	85	115	08/07/2023
Antimony		0.0500		<b>0.513</b>	0.5000	0	102.5	85	115	08/07/2023
Antimony		0.0500		<b>0.522</b>	0.5000	0	104.4	85	115	08/08/2023
Arsenic		0.0250		<b>0.521</b>	0.5000	0	104.1	85	115	08/07/2023
Barium		0.0025		<b>2.09</b>	2.000	0	104.5	85	115	08/08/2023
Barium		0.0025		<b>2.02</b>	2.000	0	101.0	85	115	08/07/2023
Beryllium		0.0005		<b>0.0522</b>	0.0500	0	104.4	85	115	08/08/2023
Boron		0.0200		<b>0.520</b>	0.5000	0	104.0	85	115	08/08/2023
Boron		0.0200		<b>0.496</b>	0.5000	0	99.3	85	115	08/07/2023
Cadmium		0.0020		<b>0.0509</b>	0.0500	0	101.8	85	115	08/07/2023
Calcium		0.100		<b>2.64</b>	2.500	0	105.7	85	115	08/08/2023
Calcium		0.100		<b>2.56</b>	2.500	0	102.5	85	115	08/07/2023
Chromium		0.0050		<b>0.206</b>	0.2000	0	103.1	85	115	08/08/2023
Cobalt		0.0050		<b>0.522</b>	0.5000	0	104.4	85	115	08/08/2023
Iron		0.0400		<b>2.14</b>	2.000	0	107.0	85	115	08/08/2023
Lead		0.0150		<b>0.526</b>	0.5000	0	105.2	85	115	08/08/2023
Magnesium		0.0500		<b>2.51</b>	2.500	0	100.4	85	115	08/07/2023
Manganese		0.0070		<b>0.504</b>	0.5000	0	100.7	85	115	08/08/2023
Molybdenum		0.0100		<b>0.484</b>	0.5000	0	96.7	85	115	08/07/2023
Molybdenum		0.0100		<b>0.506</b>	0.5000	0	101.2	85	115	08/08/2023
Potassium		0.100		<b>2.77</b>	2.500	0	111.0	85	115	08/07/2023
Potassium		0.100		<b>2.69</b>	2.500	0	107.4	85	115	08/08/2023
Selenium		0.0400		<b>0.513</b>	0.5000	0	102.5	85	115	08/07/2023
Selenium		0.0400		<b>0.537</b>	0.5000	0	107.4	85	115	08/08/2023
Silicon	*	0.0500	B	<b>0.488</b>	0.5000	0	97.7	85	115	08/08/2023
Sodium		0.0500		<b>2.53</b>	2.500	0	101.3	85	115	08/08/2023
Sodium		0.0500		<b>2.51</b>	2.500	0	100.4	85	115	08/07/2023
Thallium		0.0500		<b>0.241</b>	0.2500	0	96.3	85	115	08/07/2023
Thallium		0.0500		<b>0.264</b>	0.2500	0	105.6	85	115	08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210442		SampType: MS		Units mg/L							
SampID: 23071339-038CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	219	2.500	215.0	175.6	75	125	08/07/2023	
Magnesium		0.0500	S	96.7	2.500	92.88	152.7	75	125	08/07/2023	
Silicon	*	0.500	BS	75.9	0.5000	75.78	15.0	75	125	08/07/2023	
Sodium		0.0500		46.4	2.500	43.36	123.6	75	125	08/07/2023	

Batch 210442		SampType: MSD		Units mg/L							RPD Limit 20	
SampID: 23071339-038CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	215	2.500	215.0	-2.4	219.4	2.05	08/07/2023		
Magnesium		0.0500	S	94.5	2.500	92.88	64.7	96.70	2.30	08/07/2023		
Silicon	*	0.500	BS	74.7	0.5000	75.78	-222.2	75.86	1.58	08/07/2023		
Sodium		0.0500		45.4	2.500	43.36	82.4	46.45	2.24	08/07/2023		

Batch 210625		SampType: MBLK		Units mg/L							
SampID: MBLK-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/14/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/10/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/14/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/10/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/10/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/10/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/10/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/14/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/10/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210625		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0200		<b>0.484</b>	0.5000	0	96.8	85	115	08/14/2023	
Calcium		0.100		<b>2.53</b>	2.500	0	101.1	85	115	08/14/2023	
Calcium		0.100		<b>2.45</b>	2.500	0	98.2	85	115	08/10/2023	
Iron		0.0400		<b>1.93</b>	2.000	0	96.7	85	115	08/10/2023	
Magnesium		0.0500		<b>2.30</b>	2.500	0	92.2	85	115	08/10/2023	
Manganese		0.0070		<b>0.465</b>	0.5000	0	92.9	85	115	08/10/2023	
Potassium		0.100		<b>2.54</b>	2.500	0	101.7	85	115	08/10/2023	
Silicon	*	0.0500		<b>0.528</b>	0.5000	0	105.5	85	115	08/14/2023	
Sodium		0.0500		<b>2.37</b>	2.500	0	94.8	85	115	08/10/2023	

Batch 210625		SampType: LCSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: LCSD-210625												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Boron		0.0200		<b>0.472</b>	0.5000	0	94.5	0.4840	2.40	08/14/2023		
Calcium		0.100		<b>2.47</b>	2.500	0	98.6	2.528	2.48	08/14/2023		
Calcium		0.100		<b>2.45</b>	2.500	0	98.0	2.454	0.20	08/10/2023		
Iron		0.0400		<b>1.90</b>	2.000	0	95.1	1.934	1.63	08/10/2023		
Magnesium		0.0500		<b>2.29</b>	2.500	0	91.7	2.304	0.53	08/10/2023		
Manganese		0.0070		<b>0.460</b>	0.5000	0	92.0	0.4646	1.04	08/10/2023		
Potassium		0.100		<b>2.52</b>	2.500	0	101.0	2.542	0.73	08/10/2023		
Silicon	*	0.0500		<b>0.511</b>	0.5000	0	102.3	0.5275	3.12	08/14/2023		
Sodium		0.0500		<b>2.35</b>	2.500	0	93.9	2.371	0.99	08/10/2023		

Batch 210625		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-008CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		0.0400		<b>1.88</b>	2.000	0.06740	90.4	75	125	08/11/2023	
Manganese		0.0070		<b>1.07</b>	0.5000	0.6331	87.8	75	125	08/11/2023	

Batch 210625		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-008CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Iron		0.0400		<b>1.88</b>	2.000	0.06740	90.4	1.876	0.01	08/11/2023		
Manganese		0.0070		<b>1.08</b>	0.5000	0.6331	88.7	1.072	0.45	08/11/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210667 SampType: MBLK Units mg/L  
SampID: MBLK-210667

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	08/10/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/10/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/10/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/10/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/10/2023

Batch 210667 SampType: LCS Units mg/L  
SampID: LCS-210667

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.46	2.500	0	98.2	85	115	08/10/2023
Magnesium		0.0500		2.21	2.500	0	88.3	85	115	08/10/2023
Potassium		0.100		2.56	2.500	0	102.5	85	115	08/10/2023
Silicon	*	0.0500		0.452	0.5000	0	90.4	85	115	08/10/2023
Sodium		0.0500		2.43	2.500	0	97.1	85	115	08/10/2023

Batch 210667 SampType: MS Units mg/L  
SampID: 23071339-038CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Potassium		0.200		15.9	5.000	11.64	85.8	75	125	08/10/2023

Batch 210667 SampType: MSD Units mg/L RPD Limit 20  
SampID: 23071339-038CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Potassium		0.200		15.4	5.000	11.64	76.0	15.93	3.10	08/10/2023

Batch 210926 SampType: MBLK Units mg/L  
SampID: MBLK-210926

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	08/17/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/17/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/17/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/17/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/17/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/17/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210926		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210926											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.49	2.500	0	99.6	85	115	08/17/2023	
Calcium		0.100		2.59	2.500	0	103.7	85	115	08/17/2023	
Magnesium		0.0500		2.39	2.500	0	95.6	85	115	08/17/2023	
Potassium		0.100		2.70	2.500	0	108.1	85	115	08/17/2023	
Silicon	*	0.0500		0.529	0.5000	0	105.7	85	115	08/17/2023	
Sodium		0.0500		2.53	2.500	0	101.4	85	115	08/17/2023	

Batch 210926		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-045CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	148	2.500	143.2	172.0	75	125	08/17/2023	
Magnesium		0.0500		58.9	2.500	56.06	112.2	75	125	08/17/2023	
Potassium		0.100		3.22	2.500	0.4691	110.0	75	125	08/17/2023	
Silicon	*	0.0500	S	19.3	0.5000	18.32	191.4	75	125	08/18/2023	
Sodium		0.0500	S	46.0	2.500	42.48	138.8	75	125	08/17/2023	

Batch 210926		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-045CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	148	2.500	143.2	205.6	147.6	0.57	08/17/2023		
Magnesium		0.0500	S	59.4	2.500	56.06	133.3	58.87	0.89	08/17/2023		
Potassium		0.100		3.22	2.500	0.4691	110.2	3.219	0.16	08/17/2023		
Silicon	*	0.0500	S	19.1	0.5000	18.32	154.9	19.27	0.95	08/18/2023		
Sodium		0.0500	S	45.6	2.500	42.48	125.2	45.95	0.74	08/17/2023		

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

Batch 210445		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210445											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/14/2023	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/14/2023	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/14/2023	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/14/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210445 SampType: LCS Units mg/L

SampID: LCS-210445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.93</b>	2.000	0	96.7	80	120	09/14/2023
Boron		0.0250		<b>0.460</b>	0.5000	0	91.9	80	120	09/14/2023
Iron		0.0250		<b>1.99</b>	2.000	0	99.7	80	120	09/14/2023
Manganese		0.0020		<b>0.497</b>	0.5000	0	99.4	80	120	09/14/2023

Batch 210445 SampType: MS Units mg/L

SampID: 23071339-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		<b>0.687</b>	0.5000	0.2427	88.8	75	125	09/14/2023
Iron		0.0250		<b>2.75</b>	2.000	0.7976	97.7	75	125	09/14/2023
Manganese		0.0020		<b>1.70</b>	0.5000	1.226	94.3	75	125	09/14/2023

Batch 210445 SampType: MSD Units mg/L

RPD Limit 20

SampID: 23071339-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		<b>0.685</b>	0.5000	0.2427	88.4	0.6869	0.32	09/14/2023
Iron		0.0250		<b>2.73</b>	2.000	0.7976	96.5	2.752	0.90	09/14/2023
Manganese		0.0020		<b>1.70</b>	0.5000	1.226	94.0	1.698	0.11	09/14/2023

Batch 210445 SampType: MS Units mg/L

SampID: 23071339-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.83</b>	2.000	0.01533	90.5	75	125	09/14/2023
Iron		0.0250		<b>1.80</b>	2.000	0.01580	89.3	75	125	09/14/2023
Manganese		0.0020		<b>0.445</b>	0.5000	0.003452	88.4	75	125	09/14/2023

Batch 210445 SampType: MSD Units mg/L

RPD Limit 20

SampID: 23071339-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.83</b>	2.000	0.01533	90.7	1.826	0.19	09/14/2023
Iron		0.0250		<b>1.84</b>	2.000	0.01580	91.4	1.803	2.31	09/14/2023
Manganese		0.0020		<b>0.448</b>	0.5000	0.003452	89.0	0.4453	0.68	09/14/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210446 SampType: MBLK Units mg/L  
SampID: MBLK-210446

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023

Batch 210446 SampType: LCS Units mg/L  
SampID: LCS-210446

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.98	2.000	0	99.2	80	120	09/11/2023
Boron		0.0250		0.458	0.5000	0	91.6	80	120	09/11/2023
Iron		0.0250		2.00	2.000	0	100.1	80	120	09/11/2023
Manganese		0.0020		0.549	0.5000	0	109.8	80	120	09/13/2023

Batch 210446 SampType: MS Units mg/L  
SampID: 23071339-037DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.04	2.000	0.03191	100.5	75	125	09/14/2023
Iron		0.0250		2.47	2.000	0.3519	105.8	75	125	09/14/2023
Manganese		0.0020		0.724	0.5000	0.1413	116.5	75	125	09/14/2023

Batch 210446 SampType: MSD Units mg/L  
SampID: 23071339-037DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		2.00	2.000	0.03191	98.6	2.041	1.86	09/14/2023
Iron		0.0250		2.41	2.000	0.3519	103.0	2.469	2.35	09/14/2023
Manganese		0.0020		0.701	0.5000	0.1413	112.0	0.7238	3.15	09/14/2023

Batch 210663 SampType: MBLK Units mg/L  
SampID: MBLK-210663

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/14/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/14/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/14/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/14/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210663 SampType: LCS Units mg/L

SampID: LCS-210663

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.95</b>	2.000	0	97.4	80	120	09/14/2023
Boron		0.0250		<b>0.467</b>	0.5000	0	93.4	80	120	09/14/2023
Iron		0.0250		<b>2.12</b>	2.000	0	105.9	80	120	09/14/2023
Manganese		0.0020		<b>0.516</b>	0.5000	0	103.2	80	120	09/14/2023

Batch 210663 SampType: MS Units mg/L

SampID: 23071339-017DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		<b>0.457</b>	0.5000	0.02681	86.1	75	125	09/15/2023
Iron		0.0250		<b>1.89</b>	2.000	0.07481	90.8	75	125	09/15/2023
Manganese		0.0020		<b>0.462</b>	0.5000	0.002640	91.9	75	125	09/15/2023

Batch 210663 SampType: MSD Units mg/L

SampID: 23071339-017DMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		<b>0.477</b>	0.5000	0.02681	89.9	0.4571	4.17	09/15/2023
Iron		0.0250		<b>1.95</b>	2.000	0.07481	93.6	1.891	2.95	09/15/2023
Manganese		0.0020		<b>0.475</b>	0.5000	0.002640	94.5	0.4621	2.74	09/15/2023

Batch 210928 SampType: MBLK Units mg/L

SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>&lt; 0.0250</b>	0.0125	0	0	-100	100	09/08/2023
Boron		0.0250		<b>&lt; 0.0250</b>	0.0093	0	0	-100	100	09/08/2023
Iron		0.0250		<b>&lt; 0.0250</b>	0.0115	0	0	-100	100	09/08/2023
Manganese		0.0020		<b>&lt; 0.0020</b>	0.0008	0	0	-100	100	09/08/2023

Batch 210928 SampType: LCS Units mg/L

SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.07</b>	2.000	0	103.3	80	120	09/08/2023
Boron		0.0250		<b>0.484</b>	0.5000	0	96.7	80	120	09/08/2023
Iron		0.0250		<b>1.98</b>	2.000	0	98.9	80	120	09/08/2023
Manganese		0.0020		<b>0.506</b>	0.5000	0	101.1	80	120	09/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441 SampType: MBLK Units mg/L  
SampID: MBLK-210441

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/08/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/08/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	08/08/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/14/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/08/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/08/2023

Batch 210441 SampType: LCS Units mg/L  
SampID: LCS-210441

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.06	2.000	0	103.1	80	120	09/10/2023
Antimony		0.0010		0.492	0.5000	0	98.4	80	120	08/08/2023
Arsenic		0.0010		0.536	0.5000	0	107.2	80	120	09/10/2023
Barium		0.0010		2.24	2.000	0	112.1	80	120	09/10/2023
Beryllium		0.0010		0.0450	0.0500	0	90.0	80	120	09/10/2023
Boron		0.0250		0.473	0.5000	0	94.6	80	120	09/10/2023
Cadmium		0.0010		0.0520	0.0500	0	104.1	80	120	09/10/2023
Chromium		0.0015		0.203	0.2000	0	101.3	80	120	09/10/2023
Cobalt		0.0010		0.496	0.5000	0	99.3	80	120	08/08/2023
Iron		0.0250		1.99	2.000	0	99.3	80	120	09/10/2023
Lead		0.0010		0.550	0.5000	0	110.0	80	120	09/10/2023
Lithium	*	0.0030		0.460	0.5000	0	92.1	80	120	08/08/2023
Manganese		0.0020		0.512	0.5000	0	102.4	80	120	09/10/2023
Molybdenum	*	0.0015		0.512	0.5000	0	102.4	80	120	09/14/2023
Selenium		0.0010		0.475	0.5000	0	94.9	80	120	08/08/2023
Thallium		0.0020		0.245	0.2500	0	98.1	80	120	08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-010CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>2.02</b>	2.000	0.05963	98.0	75	125	09/14/2023	
Antimony		0.0010		<b>0.500</b>	0.5000	0	100.0	75	125	08/08/2023	
Arsenic		0.0010		<b>0.524</b>	0.5000	0.001397	104.6	75	125	09/14/2023	
Barium		0.0010		<b>2.14</b>	2.000	0.07356	103.1	75	125	09/14/2023	
Beryllium		0.0010		<b>0.0483</b>	0.0500	0	96.5	75	125	09/14/2023	
Boron		0.0250		<b>0.543</b>	0.5000	0.05054	98.5	75	125	09/14/2023	
Cadmium		0.0010		<b>0.0495</b>	0.0500	0	99.0	75	125	09/14/2023	
Chromium		0.0015		<b>0.197</b>	0.2000	0	98.7	75	125	09/14/2023	
Cobalt		0.0010		<b>0.490</b>	0.5000	0.0006342	97.8	75	125	08/08/2023	
Iron		0.0250		<b>2.80</b>	2.000	0.7916	100.6	75	125	09/14/2023	
Lead		0.0010		<b>0.502</b>	0.5000	0	100.5	75	125	09/14/2023	
Lithium	*	0.0030		<b>0.489</b>	0.5000	0.004501	96.9	75	125	08/08/2023	
Manganese		0.0020		<b>0.809</b>	0.5000	0.3327	95.2	75	125	09/14/2023	
Molybdenum	*	0.0015		<b>0.491</b>	0.5000	0.0008085	98.1	75	125	09/14/2023	
Selenium		0.0010		<b>0.471</b>	0.5000	0	94.2	75	125	08/08/2023	
Thallium		0.0020		<b>0.244</b>	0.2500	0	97.4	75	125	08/08/2023	

Batch 210441		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-010CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		<b>2.02</b>	2.000	0.05963	97.9	2.020	0.07	09/14/2023		
Antimony		0.0010		<b>0.508</b>	0.5000	0	101.7	0.5001	1.67	08/08/2023		
Arsenic		0.0010		<b>0.533</b>	0.5000	0.001397	106.3	0.5242	1.66	09/14/2023		
Barium		0.0010		<b>2.15</b>	2.000	0.07356	103.9	2.136	0.76	09/14/2023		
Beryllium		0.0010		<b>0.0480</b>	0.0500	0	96.0	0.04827	0.57	09/14/2023		
Boron		0.0250		<b>0.543</b>	0.5000	0.05054	98.6	0.5431	0.05	09/14/2023		
Cadmium		0.0010		<b>0.0494</b>	0.0500	0	98.7	0.04951	0.29	09/14/2023		
Chromium		0.0015		<b>0.203</b>	0.2000	0	101.7	0.1974	2.97	09/14/2023		
Cobalt		0.0010		<b>0.483</b>	0.5000	0.0006342	96.5	0.4895	1.36	08/08/2023		
Iron		0.0250		<b>2.83</b>	2.000	0.7916	101.9	2.804	0.89	09/14/2023		
Lead		0.0010		<b>0.509</b>	0.5000	0	101.9	0.5025	1.38	09/14/2023		
Lithium	*	0.0030		<b>0.480</b>	0.5000	0.004501	95.2	0.4891	1.81	08/08/2023		
Manganese		0.0020		<b>0.830</b>	0.5000	0.3327	99.4	0.8086	2.58	09/14/2023		
Molybdenum	*	0.0015		<b>0.507</b>	0.5000	0.0008085	101.3	0.4913	3.18	09/14/2023		
Selenium		0.0010		<b>0.483</b>	0.5000	0	96.6	0.4709	2.55	08/08/2023		
Thallium		0.0020		<b>0.247</b>	0.2500	0	98.9	0.2436	1.49	08/08/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210441		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-027CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		2.21	2.000	0.2159	99.7	75	125	09/14/2023	
Antimony		0.0010		0.510	0.5000	0	102.1	75	125	08/08/2023	
Arsenic		0.0010		0.513	0.5000	0	102.7	75	125	09/14/2023	
Barium		0.0010		2.09	2.000	0.02870	103.3	75	125	09/14/2023	
Beryllium		0.0010		0.0482	0.0500	0	96.5	75	125	09/15/2023	
Boron		0.0250		1.96	0.5000	1.471	97.6	75	125	09/14/2023	
Cadmium		0.0010		0.0481	0.0500	0	96.3	75	125	09/14/2023	
Chromium		0.0015		0.194	0.2000	0	96.9	75	125	09/14/2023	
Cobalt		0.0010		0.495	0.5000	0	99.1	75	125	08/08/2023	
Iron		0.0250		2.03	2.000	0.1167	95.4	75	125	09/14/2023	
Lead		0.0010		0.509	0.5000	0	101.8	75	125	09/14/2023	
Lithium	*	0.0030		0.524	0.5000	0.04253	96.3	75	125	08/08/2023	
Manganese		0.0020		0.495	0.5000	0.01796	95.3	75	125	09/14/2023	
Molybdenum	*	0.0015		0.548	0.5000	0.01382	106.8	75	125	09/15/2023	
Selenium		0.0010		0.491	0.5000	0	98.1	75	125	08/08/2023	
Thallium		0.0020		0.252	0.2500	0	100.7	75	125	08/08/2023	

Batch 210441		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-027CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		2.19	2.000	0.2159	98.6	2.211	1.07	09/14/2023		
Antimony		0.0010		0.495	0.5000	0	99.0	0.5104	3.03	08/08/2023		
Arsenic		0.0010		0.529	0.5000	0	105.8	0.5133	3.05	09/14/2023		
Barium		0.0010		2.11	2.000	0.02870	104.1	2.094	0.85	09/14/2023		
Beryllium		0.0010		0.0477	0.0500	0	95.4	0.04824	1.16	09/15/2023		
Boron		0.0250		1.97	0.5000	1.471	99.5	1.959	0.49	09/14/2023		
Cadmium		0.0010		0.0499	0.0500	0	99.9	0.04814	3.64	09/14/2023		
Chromium		0.0015		0.192	0.2000	0	96.0	0.1939	0.98	09/14/2023		
Cobalt		0.0010		0.478	0.5000	0	95.5	0.4954	3.67	08/08/2023		
Iron		0.0250		2.08	2.000	0.1167	98.0	2.026	2.46	09/14/2023		
Lead		0.0010		0.510	0.5000	0	102.0	0.5091	0.18	09/14/2023		
Lithium	*	0.0030		0.503	0.5000	0.04253	92.1	0.5239	4.09	08/08/2023		
Manganese		0.0020		0.499	0.5000	0.01796	96.2	0.4946	0.91	09/14/2023		
Molybdenum	*	0.0015		0.558	0.5000	0.01382	108.9	0.5479	1.87	09/15/2023		
Selenium		0.0010		0.479	0.5000	0	95.9	0.4905	2.28	08/08/2023		
Thallium		0.0020		0.244	0.2500	0	97.4	0.2518	3.34	08/08/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210442 SampType: MBLK Units mg/L  
SampID: MBLK-210442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/08/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/08/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	08/08/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/15/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/08/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/08/2023

Batch 210442 SampType: LCS Units mg/L  
SampID: LCS-210442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.09	2.000	0	104.6	80	120	09/10/2023
Antimony		0.0010		0.520	0.5000	0	103.9	85	115	08/08/2023
Arsenic		0.0010		0.545	0.5000	0	109.1	80	120	09/10/2023
Barium		0.0010		2.21	2.000	0	110.7	80	120	09/10/2023
Beryllium		0.0010		0.0466	0.0500	0	93.2	80	120	09/10/2023
Boron		0.0250		0.493	0.5000	0	98.5	80	120	09/10/2023
Cadmium		0.0010		0.0514	0.0500	0	102.8	80	120	09/10/2023
Chromium		0.0015		0.206	0.2000	0	102.8	80	120	09/10/2023
Cobalt		0.0010		0.509	0.5000	0	101.7	85	115	08/08/2023
Iron		0.0250		2.05	2.000	0	102.3	80	120	09/10/2023
Lead		0.0010		0.557	0.5000	0	111.4	80	120	09/10/2023
Lithium	*	0.0030		0.478	0.5000	0	95.7	85	115	08/08/2023
Manganese		0.0020		0.524	0.5000	0	104.8	80	120	09/10/2023
Molybdenum	*	0.0015		0.543	0.5000	0	108.6	80	120	09/15/2023
Selenium		0.0010		0.503	0.5000	0	100.6	85	115	08/08/2023
Thallium		0.0020		0.244	0.2500	0	97.7	85	115	08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210442		SampType: MS		Units mg/L							
SampID: 23071339-038CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250	S	65.5	2.000	55.99	477.1	75	125	09/14/2023	
Arsenic		0.0010		0.442	0.5000	0.02534	83.3	75	125	09/14/2023	
Barium		0.0100		2.36	2.000	0.3660	99.6	75	125	09/15/2023	
Beryllium		0.0010		0.0451	0.0500	0.003291	83.6	75	125	09/15/2023	
Boron		0.0250		0.848	0.5000	0.4258	84.5	75	125	09/14/2023	
Cadmium		0.0010		0.0475	0.0500	0.001461	92.1	75	125	09/14/2023	
Chromium		0.0015		0.281	0.2000	0.1007	90.2	75	125	09/14/2023	
Cobalt		0.0010		0.465	0.5000	0.04747	83.6	75	125	08/11/2023	
Iron		0.250		123	2.000	120.2	122.2	75	125	09/15/2023	
Lead		0.0100		0.599	0.5000	0.07534	104.8	75	125	09/15/2023	
Lithium	*	0.0030		0.472	0.5000	0.06174	82.0	75	125	08/08/2023	
Manganese		0.0200		3.01	0.5000	2.510	100.1	75	125	09/15/2023	
Molybdenum	*	0.0015	S	0.371	0.5000	0.002449	73.6	75	125	09/15/2023	
Selenium		0.0010		0.376	0.5000	0	75.1	75	125	08/11/2023	

Batch 210442		SampType: MSD		Units mg/L							
SampID: 23071339-038CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250	S	63.4	2.000	55.99	371.2	65.53	3.29	09/14/2023	
Arsenic		0.0010		0.432	0.5000	0.02534	81.3	0.4416	2.20	09/14/2023	
Barium		0.0100		2.40	2.000	0.3660	101.6	2.358	1.69	09/15/2023	
Beryllium		0.0010		0.0457	0.0500	0.003291	84.7	0.04508	1.28	09/15/2023	
Boron		0.0250		0.838	0.5000	0.4258	82.4	0.8483	1.26	09/14/2023	
Cadmium		0.0010		0.0476	0.0500	0.001461	92.2	0.04752	0.09	09/14/2023	
Chromium		0.0015		0.271	0.2000	0.1007	85.4	0.2812	3.52	09/14/2023	
Cobalt		0.0010		0.469	0.5000	0.04747	84.3	0.4655	0.73	08/11/2023	
Iron		0.250		122	2.000	120.2	81.4	122.6	0.67	09/15/2023	
Lead		0.0100		0.588	0.5000	0.07534	102.4	0.5995	2.01	09/15/2023	
Lithium	*	0.0030		0.470	0.5000	0.06174	81.6	0.4715	0.39	08/08/2023	
Manganese		0.0200		3.02	0.5000	2.510	102.6	3.010	0.41	09/15/2023	
Molybdenum	*	0.0015	S	0.376	0.5000	0.002449	74.7	0.3706	1.36	09/15/2023	
Selenium		0.0010		0.375	0.5000	0	75.1	0.3757	0.08	08/11/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210625 SampType: MBLK Units mg/L

SampID: MBLK-210625

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/15/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/11/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	08/11/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/15/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/15/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/15/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/15/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/15/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/15/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/11/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/15/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/15/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	08/11/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/15/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/15/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/11/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/11/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210625		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		2.21	2.000	0	110.4	80	120	09/15/2023	
Antimony		0.0010		0.498	0.5000	0	99.6	85	115	08/11/2023	
Arsenic		0.0010		0.553	0.5000	0	110.7	80	120	09/15/2023	
Arsenic		0.0010		0.517	0.5000	0	103.4	85	115	08/11/2023	
Barium		0.0010		2.30	2.000	0	114.9	80	120	09/15/2023	
Beryllium		0.0010		0.0524	0.0500	0	104.7	80	120	09/15/2023	
Boron		0.0250		0.520	0.5000	0	104.0	80	120	09/15/2023	
Cadmium		0.0010		0.0547	0.0500	0	109.4	80	120	09/15/2023	
Chromium		0.0015		0.215	0.2000	0	107.7	80	120	09/15/2023	
Cobalt		0.0010		0.496	0.5000	0	99.1	85	115	08/11/2023	
Iron		0.0250		2.23	2.000	0	111.5	80	120	09/15/2023	
Lead		0.0010		0.539	0.5000	0	107.8	80	120	09/15/2023	
Lithium	*	0.0030		0.472	0.5000	0	94.4	85	115	08/11/2023	
Manganese		0.0020		0.559	0.5000	0	111.7	80	120	09/15/2023	
Molybdenum	*	0.0015		0.541	0.5000	0	108.2	80	120	09/15/2023	
Selenium		0.0010		0.482	0.5000	0	96.4	85	115	08/11/2023	
Thallium		0.0020		0.242	0.2500	0	97.0	85	115	08/11/2023	

Batch 210625		SampType: LCSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: LCSD-210625												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.512	0.5000	0	102.4	0.4978	2.84	08/11/2023		
Arsenic		0.0010		0.534	0.5000	0	106.8	0.5169	3.24	08/11/2023		
Cobalt		0.0010		0.494	0.5000	0	98.9	0.4956	0.26	08/11/2023		
Lithium	*	0.0030		0.473	0.5000	0	94.7	0.4721	0.28	08/11/2023		
Selenium		0.0010		0.477	0.5000	0	95.4	0.4818	1.06	08/11/2023		
Thallium		0.0020		0.246	0.2500	0	98.4	0.2424	1.52	08/11/2023		

Batch 210625		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-008CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		0.0250		1.96	2.000	0.07683	94.3	75	125	09/15/2023	
Manganese		0.0020		1.17	0.5000	0.7263	88.2	75	125	09/15/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210625		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23071339-008CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Iron		0.0250		<b>2.04</b>	2.000	0.07683	98.0	1.962	3.70	09/15/2023	
Manganese		0.0020		<b>1.18</b>	0.5000	0.7263	91.1	1.167	1.21	09/15/2023	

Batch 210667		SampType: MBLK		Units mg/L				Low Limit		High Limit		Date Analyzed
SampID: MBLK-210667												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Aluminum		0.0250		< <b>0.0250</b>	0.0125	0	0	-100	100	09/10/2023		
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/16/2023		
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	09/10/2023		
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/10/2023		
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	09/10/2023		
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	09/10/2023		
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	09/10/2023		
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	09/10/2023		
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	09/10/2023		
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/10/2023		
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	09/10/2023		
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	09/10/2023		
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	08/16/2023		

Batch 210667		SampType: LCS		Units mg/L				Low Limit		High Limit		Date Analyzed
SampID: LCS-210667												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Aluminum		0.0250		<b>2.04</b>	2.000	0	101.9	80	120	09/10/2023		
Antimony		0.0010		<b>0.495</b>	0.5000	0	99.0	80	120	08/16/2023		
Arsenic		0.0010		<b>0.514</b>	0.5000	0	102.9	80	120	09/10/2023		
Barium		0.0010		<b>2.18</b>	2.000	0	109.0	80	120	09/10/2023		
Beryllium		0.0010		<b>0.0452</b>	0.0500	0	90.3	80	120	09/10/2023		
Boron		0.0250		<b>0.465</b>	0.5000	0	93.0	80	120	09/10/2023		
Cadmium		0.0010		<b>0.0495</b>	0.0500	0	99.1	80	120	09/10/2023		
Chromium		0.0015		<b>0.201</b>	0.2000	0	100.5	80	120	09/10/2023		
Iron		0.0250		<b>2.02</b>	2.000	0	101.1	80	120	09/10/2023		
Lead		0.0010		<b>0.544</b>	0.5000	0	108.8	80	120	09/10/2023		
Manganese		0.0020		<b>0.509</b>	0.5000	0	101.9	80	120	09/10/2023		
Molybdenum	*	0.0015		<b>0.484</b>	0.5000	0	96.8	80	120	09/10/2023		
Thallium		0.0020		<b>0.240</b>	0.2500	0	96.0	80	120	08/16/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210667		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-038CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010	S	<b>0.581</b>	1.000	0.0005922	58.1	75	125	08/16/2023	
Thallium		0.0020		<b>0.423</b>	0.5000	0	84.6	75	125	08/16/2023	

Batch 210667		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23071339-038CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010	S	<b>0.587</b>	1.000	0.0005922	58.7	0.5811	1.06	08/16/2023		
Thallium		0.0020		<b>0.426</b>	0.5000	0	85.1	0.4230	0.64	08/16/2023		

Batch 210926		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210926											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< <b>0.0250</b>	0.0125	0	0	-100	100	09/10/2023	
Antimony		0.0010		< <b>0.0010</b>	0.0008	0	0	-100	100	08/30/2023	
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	09/10/2023	
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/10/2023	
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	09/10/2023	
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	09/10/2023	
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	09/10/2023	
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	09/10/2023	
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/30/2023	
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	09/10/2023	
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/10/2023	
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	08/30/2023	
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	09/10/2023	
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	09/11/2023	
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	08/30/2023	
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	08/30/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210926		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210926											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		1.90	2.000	0	95.2	80	120	09/13/2023	
Antimony		0.0010		0.502	0.5000	0	100.3	80	120	08/30/2023	
Arsenic		0.0010		0.554	0.5000	0	110.9	80	120	09/13/2023	
Barium		0.0010		2.24	2.000	0	112.1	80	120	09/13/2023	
Beryllium		0.0010		0.0468	0.0500	0	93.6	80	120	09/13/2023	
Boron		0.0250		0.595	0.5000	0	119.0	80	120	09/10/2023	
Cadmium		0.0010		0.0517	0.0500	0	103.4	80	120	09/13/2023	
Chromium		0.0015		0.216	0.2000	0	107.8	80	120	09/13/2023	
Cobalt		0.0010		0.568	0.5000	0	113.5	80	120	08/30/2023	
Iron		0.0250		2.17	2.000	0	108.5	80	120	09/13/2023	
Lithium	*	0.0030		0.505	0.5000	0	101.1	80	120	08/31/2023	
Manganese		0.0020		0.555	0.5000	0	111.0	80	120	09/13/2023	
Molybdenum	*	0.0015		0.517	0.5000	0	103.3	80	120	09/13/2023	
Selenium		0.0010		0.480	0.5000	0	96.0	80	120	08/30/2023	
Thallium		0.0020		0.255	0.2500	0	102.0	80	120	08/30/2023	

Batch 210926		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-045CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		2.02	2.000	0.06435	97.9	75	125	09/13/2023	
Antimony		0.0010		0.512	0.5000	0	102.5	75	125	08/30/2023	
Arsenic		0.0010		0.557	0.5000	0	111.5	75	125	09/13/2023	
Barium		0.0010		2.31	2.000	0.07119	111.8	75	125	09/13/2023	
Beryllium		0.0010		0.0507	0.0500	0	101.4	75	125	09/13/2023	
Boron		0.0250		1.02	0.5000	0.4759	108.0	75	125	08/31/2023	
Cadmium		0.0010		0.0502	0.0500	0	100.4	75	125	09/13/2023	
Chromium		0.0015		0.215	0.2000	0	107.3	75	125	09/13/2023	
Cobalt		0.0010		0.501	0.5000	0.0003000	100.2	75	125	08/30/2023	
Iron		0.0250		2.26	2.000	0.1196	107.0	75	125	09/13/2023	
Lead		0.0010		0.540	0.5000	0	108.0	75	125	09/13/2023	
Lithium	*	0.0030		0.556	0.5000	0.01555	108.2	75	125	08/31/2023	
Manganese		0.0020		0.848	0.5000	0.3459	100.3	75	125	08/31/2023	
Molybdenum	*	0.0015		0.516	0.5000	0	103.3	75	125	09/13/2023	
Selenium		0.0010		0.485	0.5000	0	97.1	75	125	08/30/2023	
Thallium		0.0020		0.256	0.2500	0	102.5	75	125	08/30/2023	





## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

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

Batch 210926		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23071339-045CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		1.99	2.000	0.06435	96.3	2.023	1.66	09/13/2023	
Antimony		0.0010		0.505	0.5000	0	101.0	0.5125	1.47	08/30/2023	
Arsenic		0.0010		0.539	0.5000	0	107.8	0.5575	3.38	09/13/2023	
Barium		0.0010		2.31	2.000	0.07119	112.0	2.308	0.14	09/13/2023	
Beryllium		0.0010		0.0495	0.0500	0	98.9	0.05072	2.49	09/13/2023	
Boron		0.0250		1.03	0.5000	0.4759	111.6	1.016	1.74	08/31/2023	
Cadmium		0.0010		0.0502	0.0500	0	100.4	0.05022	0.04	09/13/2023	
Chromium		0.0015		0.208	0.2000	0	104.0	0.2145	3.10	09/13/2023	
Cobalt		0.0010		0.488	0.5000	0.0003000	97.6	0.5012	2.66	08/30/2023	
Iron		0.0250		2.22	2.000	0.1196	105.3	2.260	1.58	09/13/2023	
Lead		0.0010		0.547	0.5000	0	109.4	0.5399	1.33	09/13/2023	
Lithium	*	0.0030		0.566	0.5000	0.01555	110.1	0.5564	1.74	08/31/2023	
Manganese		0.0020		0.858	0.5000	0.3459	102.4	0.8475	1.25	08/31/2023	
Molybdenum	*	0.0015		0.506	0.5000	0	101.1	0.5163	2.07	09/13/2023	
Selenium		0.0010		0.479	0.5000	0	95.8	0.4855	1.31	08/30/2023	
Thallium		0.0020		0.259	0.2500	0	103.6	0.2562	1.13	08/30/2023	

### SW-846 7470A (TOTAL)

Batch 210448		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210448											
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	08/07/2023	

Batch 210448		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210448											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00558	0.0050	0	111.5	85	115	08/07/2023	

Batch 210448		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071339-011CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00581	0.0050	0	116.2	75	125	08/07/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 7470A (TOTAL)

Batch 210448		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23071339-011CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		<b>0.00574</b>	0.0050	0	114.8	0.005810	1.25	08/07/2023	

Batch 210448		SampType: MS		Units mg/L							
SampID: 23071339-026CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00567</b>	0.0050	0	113.5	75	125	08/07/2023	

Batch 210448		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23071339-026CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		<b>0.00559</b>	0.0050	0	111.8	0.005674	1.49	08/07/2023	

Batch 210449		SampType: MBLK		Units mg/L							
SampID: MBLK-210449											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100	08/07/2023	

Batch 210449		SampType: LCS		Units mg/L							
SampID: LCS-210449											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00541</b>	0.0050	0	108.3	85	115	08/09/2023	
Mercury		0.00020	S	<b>0.00593</b>	0.0050	0	118.6	85	115	08/07/2023	

Batch 210449		SampType: MS		Units mg/L							
SampID: 23071339-041CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00570</b>	0.0050	0	114.1	75	125	08/07/2023	

Batch 210449		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23071339-041CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		<b>0.00562</b>	0.0050	0	112.4	0.005704	1.46	08/07/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23071339

Client Project: BAL-23Q3

Report Date: 11-Oct-23

### SW-846 7470A (TOTAL)

Batch 210704		SampType: MBLK		Units mg/L							
SampID: MBLK-210704											
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	08/11/2023	

Batch 210704		SampType: LCS		Units mg/L							
SampID: LCS-210704											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00516	0.0050	0	103.2	85	115	08/11/2023	

Batch 210704		SampType: MS		Units mg/L							
SampID: 23071339-019CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00511	0.0050	0	102.2	75	125	08/11/2023	

Batch 210704		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23071339-019CMSD												
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	0.005110	10.89	08/11/2023		

Batch 210943		SampType: MBLK		Units mg/L							
SampID: MBLK-210943											
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	08/16/2023	

Batch 210943		SampType: LCS		Units mg/L							
SampID: LCS-210943											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00518	0.0050	0	103.6	85	115	08/16/2023	

Batch 210943		SampType: MS		Units mg/L							
SampID: 23071339-045CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00816	0.0100	0	81.6	75	125	08/23/2023	

Batch 210943		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23071339-045CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020	S	0.00829	0.0050	0	165.8	0.008164	1.52	08/23/2023		



# Receiving Check List

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071339  
**Report Date:** 11-Oct-23

**Carrier:** Justin Colp

**Received By:** AMD

**Completed by:**

**Reviewed by:**

**On:**

**On:**

04-Aug-23

08-Aug-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 <b>5.7</b>
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.**

pH strip #90719. - amberdilallo - 8/4/2023 9:44:53 AM

Additional HNO3 (90404) was needed in MW-104S and MW-382, and additional H2SO4 (90128) was needed in MW-382 and MW-304 Dup upon arrival at the laboratory. - amberdilallo - 8/4/2023 9:45:01 AM

Additional HNO3 (90404) was needed in PZ-182, and additional H2SO4 (90218) was needed in MW-253 upon arrival at the laboratory. - amberdilallo - 8/4/2023 4:26:18 PM

Samples collected on 8/4/23 were delivered to the laboratory on 8/4/23 at 1543 (on ice - 17.2C - LTG#5). pH strip #90719. - ERH/CET 8/4/23

Samples collected on 8/3/23 were delivered to the laboratory on 8/3/23 at 1750 (on ice - 5.7C - LTG#1). pH strip #90719. - ERH/ADM 8/4/23

Samples collected on 8/7/23 were delivered to the laboratory on 8/7/23 at 1608 (on ice - 17.4C - LTG#5). pH strip #90719. - ERH/LM 8/4/23

Per Joe Riley, the unpreserved (total) volume for MW-358 was collected on 8/7/23 at 1734 and delivered to the lab on 8/8/23 at 0830. LM/EAH 8/8/23

pH strip #90719. - amberdilallo - 8/15/2023 3:18:37 PM

Samples collected on 8/15/23 were delivered to the laboratory on 8/15/23 at 1454 (on ice - 90719C - LTG#51. pH strip #90719. - TM/ERH 8/15/23

*23071339*  
BAL-845-604

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:	<b>Page: 1 of 3</b>
Company: <b>Vistra Corp</b>	Report To: <b>Brian Voelker</b>	Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>	Copy To: <b>Jason Stuckey</b>	Company Name: <b>Vistra Corp</b>	<b>REGULATORY AGENCY</b>
Email To: <b>Brian.Voelker@VistraCorp.com</b>	Purchase Order No.:	Address: <b>see Section A</b>	<b>NPDES</b> <b>GROUND WATER</b> <b>DRINKING WATER</b>
Phone: <b>(217) 753-8911</b> Fax:	Project Name:	Quote Reference:	<b>UST</b> <b>RCRA</b> <b>OTHER</b>
Requested Due Date/AT: <b>10 day</b>	Project Number: <b>2285</b>	Project Manager:	Site Location: <b>IL</b>
		Profile #:	STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.
						Preservatives													
						Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	BAL-257-601	BAL-257-605	BAL-845-601		
1	MW-104DR		8-3-23 1540																23071339-001
2	MW-104SR		8-3-23 1555																002
3	MW-150																		003
4	MW-151																		004
5	MW-152																		005
6	MW-153																		006
7	MW-154		DRY																007
8	MW-155																		008
9	MW-192																		009
10	MW-193																		010
11	MW-252																		011
12	MW-253																		012
13	MW-304		8-3-23 1510																013
14	MW-306																		014
15	MW-350																		015
16	MW-352																		016
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS									
BAL-23Q3 Rev 0		J. Colp		8-3	1750	S. Maou O'Connell		8/3/23	1750	5.7	Y	N							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
J. Colp	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):					
8-3-23					

*mwo-104SR & mwo382 added HNO3(90404) pH strip 90719  
mwo-382 & mwo-304 Dup added H2SO4(90128) 8/11/23*

*LET: 1*



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<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:	<b>Page: 3 of 3</b>
--	---	--	---------------------

Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:
		Profile #:

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

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (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 WIPE WIP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)															Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	Other																		
1	OW-156				DRY												✓	✓																23071339-033
2	OW-157				DRY																													034
3	OW-256				8-3-23	1407											✓	✓															035	
4	OW-257																✓	✓															036	
5	PZ-170																✓	✓															037	
6	PZ-182																✓	✓															038	
7	TPZ-164																✓	✓															039	
8	XPW01				8-3-23	1239											✓	✓															040	
9	XPW05				8-3-23	1314											✓	✓															041	
10	XPW06				8-3-23	1339											✓	✓															042	
11	Field Blank																✓	✓															043	
12	MW-304 Duplicate				8-3-23	1510											✓	✓															044	
13																																		
14																																		
15																																		
16																																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
BAL-23Q3 Rev 0		J. Colp		8-3	1750	Smile Occulus		8/3/23	1750	5.7	Y N

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	<i>Justin Colp</i>		DATE Signed (MM/DD/YY):	8-3-23		

BAL-845-339

**CHAIN-OF-CUSTODY / Analytical Request Document**

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 3
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		<b>REGULATORY AGENCY</b> NPDES      GROUND WATER      DRINKING WATER UST      RCRA      OTHER Site Location STATE:      IL
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager:		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Profile #:		

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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	Analysis Test ↓			Analysis Test ↓
1	MW-104DR																		23071339-001
2	MW-104SR																		002
3	MW-150																		003
4	MW-151																		004
5	MW-152		8-4-23	1339															005
6	MW-153		8-4-23	1148															006
7	MW-154																		007
8	MW-155																		008
9	MW-192		8-4-23	1010															009
10	MW-193		8-4-23	0908															010
11	MW-252		8-4-23	1416															011
12	MW-253		8-4-23	1207															012
13	MW-304																		013
14	MW-306		8-4-23	1110															014
15	MW-350																		015
16	MW-352		8-4-23	1257															016

ADDITIONAL COMMENTS <b>BAL-23Q3 Rev 0</b>	RELINQUISHED BY / AFFILIATION <b>J.G.P</b>	DATE <b>8-4</b>	TIME <b>1543</b>	ACCEPTED BY / AFFILIATION <b>Jason Stuckey</b>	DATE <b>8/4/23</b>	TIME <b>1542</b>	SAMPLE CONDITIONS <b>5 Y N</b>			
SAMPLER NAME AND SIGNATURE							Temp in °C <b>17.2</b>	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Jason Cap</b>										
SIGNATURE of SAMPLER: <b>[Signature]</b>					DATE Signed (MM/DD/YY): <b>8-4-23</b>					

PHOTO 719. Added H2SO4 (00218) to 2/2 from MW-152 and MW-253. Added HNO3 around to dissolved from P2-102. 8-4-23



BAL-845-601  
9

**CHAIN-OF-CUSTODY / Analytical Request Document**

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>											
Company: <u>Vistra Corp</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		Address: <u>13498 E. 900th St</u>		Copy To: <u>Jason Stuckey</u>		Company Name: <u>Vistra Corp</u>		NPDES		GROUND WATER		DRINKING WATER	
Address: <u>13498 E. 900th St</u>		Purchase Order No.:		Quote Reference:		Address: <u>see Section A</u>		Project Name:		Project Manager:		UST		RCRA		OTHER	
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Project Number: <u>2285</u>		Profile #:		Requested Due Date/TAT: <u>10 day</u>		Site Location		STATE: <u>IL</u>							

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (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								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605	0	0	0		
1	MW-355																										23071839-017		
2	MW-356																										018		
3	MW-358																										019		
4	MW-366				8-4-23	0954																					020		
5	MW-369																										021		
6	MW-370																										022		
7	MW-375																										023		
8	MW-377																										024		
9	MW-382																										025		
10	MW-383																										026		
11	MW-384																										027		
12	MW-390				8-4-23	0917																					028		
13	MW-391				8-4-23	1020																					029		
14	MW-392																										030		
15	MW-393																										031		
16	MW-394																										032		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS									
BAL-23Q3 Rev 0					J. Galp			8-4		1543		Ymca Oilco				8/4/23		1543		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: <u>Justin Galp</u>																													
SIGNATURE of SAMPLER: <u>[Signature]</u>												DATE Signed (MM/DD/YY): <u>8-4-23</u>																	

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:	
				Profile #:	
				<b>REGULATORY AGENCY</b>	
				NPDES      GROUND WATER      DRINKING WATER	
				UST      RCRA      OTHER	
				<b>Site Location</b>	
				<b>STATE:</b> IL	

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	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No / Lab I.D.				
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test	BAL-257-601			BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605
1	OW-156																							2.3071339-033
2	OW-157																							034
3	OW-256																							035
4	OW-257				8-4-23	1513																		036
5	PZ-170 <i>DRY WPC Leads</i>				8-4-23	1716																		037
6	PZ-182				8-4-23	1323																		038
7	TPZ-164																							039
8	XPW01																							040
9	XPW05																							041
10	XPW06																							042
11	Field Blank																							043
12	MW-304 Duplicate																							044
13																								
14																								
15																								
16																								
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS							
BAL-23Q3 Rev 0			J. Cop			8-4		1513		Imber Dilores			8/4/23		1513		Y N							

<b>SAMPLER NAME AND SIGNATURE</b>			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Cop</i>						
SIGNATURE of SAMPLER: <i>Justin Cop</i>		DATE Signed (MM/DD/YY): <i>8-4-23</i>				

BAL 845-001  
23071339

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information: Company: <b>Vistra Corp</b> Address: <b>13498 E. 900th St</b> Email To: <b>Brian.Voelker@VistraCorp.com</b> Phone: <b>(217) 753-8911</b> Fax: _____ Requested Due Date/TAT: <b>10 day</b>		<b>Section B</b> Required Project Information: Report To: <b>Brian Voelker</b> Copy To: <b>Jason Stuckey</b> Purchase Order No.: _____ Project Name: _____ Project Number: <b>2285</b>		<b>Section C</b> Invoice Information: Attention: <b>Jason Stuckey</b> Company Name: <b>Vistra Corp</b> Address: <b>see Section A</b> Quote Reference: _____ Project Manager: _____ 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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605						
1	MW-104DR																									23071339-001				
2	MW-104SR																									002				
3	MW-150				8-7-23	1125																				003				
4	MW-151				8-7-23	1057																				004				
5	MW-152																									005				
6	MW-153																									006				
7	MW-154																									007				
8	MW-155				8-7-23	1114																				008				
9	MW-192																									009				
10	MW-193																									010				
11	MW-252																									011				
12	MW-253																									012				
13	MW-304																									013				
14	MW-306																									014				
15	MW-350				8-7-23	1148																				015				
16	MW-352																									016				

ADDITIONAL COMMENTS <b>BAL-23Q3 Rev 0</b>	RELINQUISHED BY / AFFILIATION <i>J. Colp</i>	DATE 8-7	TIME 1605	ACCEPTED BY / AFFILIATION <i>Dina C. Calabro</i>	DATE 8/7/23	TIME 1108	SAMPLE CONDITIONS #5 Y N Y
--	---	-------------	--------------	---	----------------	--------------	-------------------------------

SAMPLER NAME AND SIGNATURE		Temp in °C 17.4	Received on (MM/DD/YY)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Colp</i>	SIGNATURE of SAMPLER: <i>Justin Colp</i>				

*Maryann Patten 8/7/23 1615*     PH: 90794 / 44 826

### CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>	Report To: <b>Brian Voelker</b>	Attention: <b>Jason Stuckey</b>			
Address: <b>13498 E. 900th St</b>	Copy To: <b>Jason Stuckey</b>	Company Name: <b>Vistra Corp</b>	<b>REGULATORY AGENCY</b>		
		Address: <b>see Section A</b>	NPDES GROUND WATER DRINKING WATER UST RCRA OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b>	Purchase Order No.:	Quote Reference:	Site Location: <b>IL</b>		
Phone: <b>(217) 753-8911</b> Fax:	Project Name:	Project Manager:	STATE:		
Requested Due Date/TAT: <b>10 day</b>	Project Number: <b>2285</b>	Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	PRESERVATIVES	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)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605	0	0	0
1	MW-355		8-7-23 1403														✓														230718339-017
2	MW-356															✓		✓													018
3	MW-358		8-7-23 1231															✓													019
4	MW-366															✓		✓													020
5	MW-369															✓		✓													021
6	MW-370															✓		✓													022
7	MW-375		8-7-23 0957														✓		✓												023
8	MW-377		8-7-23 1019														✓		✓												024
9	MW-382															✓		✓													025
10	MW-383																✓		✓												026
11	MW-384																✓		✓												027
12	MW-390																✓		✓												028
13	MW-391																✓		✓												029
14	MW-392																✓		✓												030
15	MW-393																✓		✓												031
16	MW-394																✓		✓												032

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 8-7-23				

*Morgan Petru 8/7/23 1615*





October 03, 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-23Q3**

**WorkOrder: 23071340**

Dear Eric Bauer:

TEKLAB, INC received 38 samples on 8/15/2023 14:54:00 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,



Aaron Renner  
Project Manager  
(630)324-6855  
[arenner@teklabinc.com](mailto:arenner@teklabinc.com)



## Report Contents

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-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	43
Dates Report	45
Receiving Check List	48
Chain of Custody	Appended



## Definitions

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-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:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-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-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

### Cooler Receipt Temp: 5.7 °C

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

OW-257 could not be collected; the well was dry.

PZ-182 was recollected on 8/15/23 due to a field meter error. The resample will be reported. EAH 8/16/23

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

This report was revised on October 3, 2023 per Eric Bauer's request. The reason for the revision is to adjust collection times for MW-193, MW-375, MW-377, and MW-394. Please replace report dated September 19, 2023 with this report. AR 10/3/23

### 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:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-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 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

**Lab ID:** 23071340-001

**Client Sample ID:** MW-150

**Matrix:** GROUNDWATER

**Collection Date:** 08/07/2023 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:37	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3

Work Order: 23071340  
Report Date: 03-Oct-23

Lab ID: 23071340-002

Client Sample ID: MW-151

Matrix: GROUNDWATER

Collection Date: 08/07/2023 10:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:38	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3

Work Order: 23071340  
Report Date: 03-Oct-23

Lab ID: 23071340-003

Client Sample ID: MW-152

Matrix: GROUNDWATER

Collection Date: 08/04/2023 13:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-004  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-153  
**Collection Date:** 08/04/2023 11:48

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427





## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-005  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-192  
**Collection Date:** 08/04/2023 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

**Lab ID:** 23071340-006

**Client Sample ID:** MW-193

**Matrix:** GROUNDWATER

**Collection Date:** 08/04/2023 09:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-007  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-252  
**Collection Date:** 08/04/2023 14:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll Work Order: 23071340  
 Client Project: BAL-23Q3 Report Date: 03-Oct-23  
 Lab ID: 23071340-008 Client Sample ID: MW-253  
 Matrix: GROUNDWATER Collection Date: 08/04/2023 12:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-009  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-304  
**Collection Date:** 08/03/2023 15:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:39	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3

Work Order: 23071340  
Report Date: 03-Oct-23

Lab ID: 23071340-010

Client Sample ID: MW-306

Matrix: GROUNDWATER

Collection Date: 08/04/2023 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-011  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-350  
**Collection Date:** 08/07/2023 11:48

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-012  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-352  
**Collection Date:** 08/04/2023 12:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-013  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-356  
**Collection Date:** 08/03/2023 13:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-014  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-358  
**Collection Date:** 08/07/2023 12:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

Client: Ramboll  
Client Project: BAL-23Q3

Work Order: 23071340  
Report Date: 03-Oct-23

Lab ID: 23071340-015

Client Sample ID: MW-366

Matrix: GROUNDWATER

Collection Date: 08/04/2023 09:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-016  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-369  
**Collection Date:** 08/03/2023 14:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-017  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-370  
**Collection Date:** 08/03/2023 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-018  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-375  
**Collection Date:** 08/07/2023 10:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

**Lab ID:** 23071340-019

**Client Sample ID:** MW-377

**Matrix:** GROUNDWATER

**Collection Date:** 08/07/2023 09:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-020  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-382  
**Collection Date:** 08/03/2023 15:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:42	R336427





## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

**Lab ID:** 23071340-021

**Client Sample ID:** MW-383

**Matrix:** GROUNDWATER

**Collection Date:** 08/03/2023 14:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:19	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-022  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-384  
**Collection Date:** 08/03/2023 14:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:19	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

**Lab ID:** 23071340-023

**Client Sample ID:** MW-390

**Matrix:** GROUNDWATER

**Collection Date:** 08/04/2023 09:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:19	R336427



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-024  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-391  
**Collection Date:** 08/04/2023 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:19	R336427



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-025  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-392  
**Collection Date:** 08/03/2023 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:19	R336427



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-026  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-393  
**Collection Date:** 08/03/2023 11:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:20	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-027  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-394  
**Collection Date:** 08/03/2023 11:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:20	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-028  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** OW-256  
**Collection Date:** 08/03/2023 14:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:20	R336427





## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-030  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** PZ-170  
**Collection Date:** 08/04/2023 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

**Lab ID:** 23071340-032

**Client Sample ID:** TPZ-164

**Matrix:** GROUNDWATER

**Collection Date:** 08/07/2023 13:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

**Lab ID:** 23071340-033

**Client Sample ID:** XPW01

**Matrix:** GROUNDWATER

**Collection Date:** 08/03/2023 12:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:29	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-034  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** XPW05  
**Collection Date:** 08/03/2023 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-035  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** XPW06  
**Collection Date:** 08/03/2023 13:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



## Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-036  
**Matrix:** AQUEOUS

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** Field Blank  
**Collection Date:** 08/07/2023 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-037  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** MW-304 Duplicate  
**Collection Date:** 08/03/2023 15:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	08/23/2023 14:30	R336427



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3  
**Lab ID:** 23071340-038  
**Matrix:** GROUNDWATER

**Work Order:** 23071340  
**Report Date:** 03-Oct-23  
**Client Sample ID:** PZ-182 (resample)  
**Collection Date:** 08/15/2023 12:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	09/07/2023 11:36	R336427





## Sample Summary

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

**Client:** Ramboll  
**Client Project:** BAL-23Q3

**Work Order:** 23071340  
**Report Date:** 03-Oct-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071340-001	MW-150	Groundwater	1	08/07/2023 11:25
23071340-002	MW-151	Groundwater	1	08/07/2023 10:57
23071340-003	MW-152	Groundwater	1	08/04/2023 13:39
23071340-004	MW-153	Groundwater	1	08/04/2023 11:48
23071340-005	MW-192	Groundwater	1	08/04/2023 10:10
23071340-006	MW-193	Groundwater	1	08/04/2023 09:21
23071340-007	MW-252	Groundwater	1	08/04/2023 14:12
23071340-008	MW-253	Groundwater	1	08/04/2023 12:07
23071340-009	MW-304	Groundwater	1	08/03/2023 15:10
23071340-010	MW-306	Groundwater	1	08/04/2023 11:10
23071340-011	MW-350	Groundwater	1	08/07/2023 11:48
23071340-012	MW-352	Groundwater	1	08/04/2023 12:57
23071340-013	MW-356	Groundwater	1	08/03/2023 13:22
23071340-014	MW-358	Groundwater	1	08/07/2023 12:31
23071340-015	MW-366	Groundwater	1	08/04/2023 09:54
23071340-016	MW-369	Groundwater	1	08/03/2023 14:33
23071340-017	MW-370	Groundwater	1	08/03/2023 15:00
23071340-018	MW-375	Groundwater	1	08/07/2023 10:19
23071340-019	MW-377	Groundwater	1	08/07/2023 09:57
23071340-020	MW-382	Groundwater	1	08/03/2023 15:55
23071340-021	MW-383	Groundwater	1	08/03/2023 14:13
23071340-022	MW-384	Groundwater	1	08/03/2023 14:38
23071340-023	MW-390	Groundwater	1	08/04/2023 09:17
23071340-024	MW-391	Groundwater	1	08/04/2023 10:20
23071340-025	MW-392	Groundwater	1	08/03/2023 12:21
23071340-026	MW-393	Groundwater	1	08/03/2023 11:43
23071340-027	MW-394	Groundwater	1	08/03/2023 11:07
23071340-028	OW-256	Groundwater	1	08/03/2023 14:07
23071340-029	OW-257	Groundwater	1	08/04/2023 00:00
23071340-030	PZ-170	Groundwater	1	08/04/2023 11:16
23071340-031	PZ-182	Groundwater	1	08/04/2023 13:23
23071340-032	TPZ-164	Groundwater	1	08/07/2023 13:03
23071340-033	XPW01	Groundwater	1	08/03/2023 12:39
23071340-034	XPW05	Groundwater	1	08/03/2023 13:14
23071340-035	XPW06	Groundwater	1	08/03/2023 13:39
23071340-036	Field Blank	Aqueous	1	08/07/2023 13:30
23071340-037	MW-304 Duplicate	Groundwater	1	08/03/2023 15:10
23071340-038	PZ-182 (resample)	Groundwater	1	08/15/2023 12:37



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND  
BAL-845-601

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071340-001A	MW-150	08/07/2023 11:25	08/07/2023 16:08		
See Attached for Subcontracting Analysis		08/23/2023 14:37			
23071340-002A	MW-151	08/07/2023 10:57	08/07/2023 16:08		
See Attached for Subcontracting Analysis		08/23/2023 14:38			
23071340-003A	MW-152	08/04/2023 13:39	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-004A	MW-153	08/04/2023 11:48	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-005A	MW-192	08/04/2023 10:10	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-006A	MW-193	08/04/2023 09:21	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-007A	MW-252	08/04/2023 14:12	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-008A	MW-253	08/04/2023 12:07	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-009A	MW-304	08/03/2023 15:10	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:39			
23071340-010A	MW-306	08/04/2023 11:10	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-011A	MW-350	08/07/2023 11:48	08/07/2023 16:08		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-012A	MW-352	08/04/2023 12:57	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-013A	MW-356	08/03/2023 13:22	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-014A	MW-358	08/07/2023 12:31	08/07/2023 16:08		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-015A	MW-366	08/04/2023 09:54	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-016A	MW-369	08/03/2023 14:33	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-017A	MW-370	08/03/2023 15:00	08/07/2023 16:15		
See Attached for Subcontracting Analysis		08/23/2023 14:42			
23071340-018A	MW-375	08/07/2023 10:19	08/07/2023 16:08		



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	See Attached for Subcontracting Analysis				08/23/2023 14:42
23071340-019A	MW-377	08/07/2023 09:57	08/07/2023 16:08		
	See Attached for Subcontracting Analysis				08/23/2023 14:42
23071340-020A	MW-382	08/03/2023 15:55	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:42
23071340-021A	MW-383	08/03/2023 14:13	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:19
23071340-022A	MW-384	08/03/2023 14:38	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:19
23071340-023A	MW-390	08/04/2023 09:17	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:19
23071340-024A	MW-391	08/04/2023 10:20	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:19
23071340-025A	MW-392	08/03/2023 12:21	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:19
23071340-026A	MW-393	08/03/2023 11:43	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:20
23071340-027A	MW-394	08/03/2023 11:07	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:20
23071340-028A	OW-256	08/03/2023 14:07	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:20
23071340-030A	PZ-170	08/04/2023 11:16	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:30
23071340-032A	TPZ-164	08/07/2023 13:03	08/07/2023 16:08		
	See Attached for Subcontracting Analysis				08/23/2023 14:30
23071340-033A	XPW01	08/03/2023 12:39	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:29
23071340-034A	XPW05	08/03/2023 13:14	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:30
23071340-035A	XPW06	08/03/2023 13:39	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:30
23071340-036A	Field Blank	08/07/2023 13:30	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:30
23071340-037A	MW-304 Duplicate	08/03/2023 15:10	08/07/2023 16:15		
	See Attached for Subcontracting Analysis				08/23/2023 14:30



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23071340

**Client Project:** BAL-23Q3

**Report Date:** 03-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071340-038A	PZ-182 (resample)	08/15/2023 12:37	08/15/2023 14:54		
See Attached for Subcontracting Analysis					09/07/2023 11:36



### Receiving Check List

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

Client: Ramboll

Work Order: 23071340

Client Project: BAL-23Q3

Report Date: 03-Oct-23

Carrier: Justin Colp

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

04-Aug-23

Amber Dilallo

On:

08-Aug-23

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 <b>5.7</b>               |
| 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.**

pH strip #90719. - amberdilallo - 8/4/2023 9:50:51 AM

Additional Nitric Acid (90404) was needed in MW-304, MW-393, XPW06 and MW-304 Dup upon arrival at the laboratory. - amberdilallo - 8/4/2023 9:50:59 AM

Samples collected on 8/4/23 were delivered to the laboratory on 8/4/23 at 1543 (on ice - 17.4C - LTG#5). pH strip #90719. - ERH/CET 8/4/23

Additional Nitric Acid (90404) was needed in MW-182, MW-252, MW-391, MW-193, MW-192, MW-153 and MW-152 upon arrival at the laboratory. - amberdilallo - 8/4/2023 4:27:27 PM

Samples collected on 8/7/23 were delivered to the laboratory on 8/7/23 at 1608. (on ice - 17.4C - LTG#5). pH strip #90719. - ERH/LM 8/4/23

pH strip #90719. - amberdilallo - 8/15/2023 3:16:14 PM

Sample collected on 8/15/23 were delivered to the laboratory on 8/15/23 at 1608. (on ice - 4.6C - LTG#1). pH strip #90719. - TM/ERH 8/15/23

23071340

### CHAIN-OF-CUSTODY / Analytical Request Document

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 3		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		<b>REGULATORY AGENCY</b> NPDES      GROUND WATER      DRINKING WATER UST      RCRA      OTHER Site Location:      IL STATE:		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>				
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:				
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Site Location		
				Profile #:		STATE:      IL		

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX      CODE DRINKING WATER      OW WATER      WT WASTE WATER      WW PRODUCT      P SOL/SOLID      SL OIL      OL WIPE      WP AIR      AR OTHER      OT TISSUE      TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000			BAL-WPCP-605	
1	MW-104DR				8-3-23	1540																					
2	MW-104SR				8-3-23	1555																					
3	MW-150						2	2								✓	✓										23071340-001
4	MW-151						2	2								✓	✓										002
5	MW-152						2	2								✓	✓										003
6	MW-153						2	2								✓	✓										004
7	MW-154																										
8	MW-155																										
9	MW-192						2	2									✓										005
10	MW-193						2	2									✓										006
11	MW-252						2	2								✓	✓										007
12	MW-253						2	2								✓	✓										008
13	MW-304				8-3-23	1510	2	2								✓	✓	✓	✓								009
14	MW-306						2	2								✓	✓	✓	✓								010
15	MW-350						2	2								✓	✓										011
16	MW-352						2	2								✓	✓										012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
BAL-23Q3 Rev 0 Ba226/228 C/C	J. Colp	8-3	1750	Justin Colp	8/3/23	1750	5.7	Y N

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:					
	Justin Colp					

MW304, MW393, XP WOLE, MW304 Dup C/C  
PH strip 907A HNO3 (90404)

CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>	
Company: <u>Vistra Corp</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER	
Address: <u>13498 E. 900th St</u>		Copy To: <u>Jason Stuckey</u>		Company Name: <u>Vistra Corp</u>		<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Address: <u>see Section A</u>		Site Location	
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Quote Reference:		STATE: <u>IL</u>	
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)										Project No / Lab I.D.					
		MATRIX	CODE				DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test													
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE	DW WT WW P SL CL WP AR OT TS														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-SUP-000	BAL-WPCP-605	0	0	0
1	MW-355																													
2	MW-356			8-3-23	1322	2	2								✓		✓													23071340-013
3	MW-358					2	2									✓														014
4	MW-366					2	2								✓			✓												015
5	MW-369			8-3-23	1433	2	2								✓		✓													016
6	MW-370			8-3-23	1500	2	2								✓		✓													017
7	MW-375					2	2								✓			✓												018
8	MW-377					2	2								✓			✓												019
9	MW-382			8-3-23	1555	2	2								✓		✓													020
10	MW-383			8-3-23	1413	2	2								✓			✓												021
11	MW-384			8-3-23	1438	2	2								✓			✓												022
12	MW-390					2	2								✓			✓												023
13	MW-391					2	2								✓			✓												024
14	MW-392			8-3-23	1221	2	2										✓													025
15	MW-393			8-3-23	1413	2	2										✓													026
16	MW-394			8-3-23	1108	2	2										✓													027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-23Q3 Rev 0 R0226/228 C/C	J. G. Co	8/3	1750	Ember Dillards	8/3/23	1750	5.7	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: <u>Justin Co</u>	DATE Signed (MM/DD/YY): <u>8-3-23</u>				
SIGNATURE of SAMPLER: <u>[Signature]</u>					

23071340  
BAL-845-601

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER UST    RCRA    OTHER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location STATE: <b>IL</b>		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:				
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Residual Chlorine (Y/N)		
				Profile #:				

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		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)	Project No./ Lab I.D.	
		MATRIX	CODE			DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				Other
		DRINKING WATER	DW																	
1	MW-104DR																			
2	MW-104SR																			
3	MW-150							2	2								23071340-001			
4	MW-151							2	2								002			
5	MW-152					8-4-23	1339	2	2								003			
6	MW-153					8-4-23	1148	2	2								004			
7	MW-154																			
8	MW-155																			
9	MW-192					8-4-23	1010	2	2								005			
10	MW-193					8-4-23	0908	2	2								006			
11	MW-252					8-4-23	1412	2	2								007			
12	MW-253					8-4-23	1207	2	2								008			
13	MW-304							2	2								009			
14	MW-306					8-4-23	1110	2	2								010			
15	MW-350							2	2								011			
16	MW-352					8-4-23	1257	2	2								012			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
BAL-23Q3 Rev 0 R2226/228 C/C		J. Cop		8-4	1543	<i>[Signature]</i>		8-4	1543	Y	N	

Added HNO<sub>3</sub>(40404) to MW182 2/2  
 PH 90719 AC 8/4  
 MW 252 2/2  
 MW 391 1/2  
 MW 193 1/2  
 MW 192 1/2  
 MW 153 2/2  
 MW 152 1/2

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Justin Cop</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY): 8-4-23			

17.4  
 26.5  
 16



23071340  
BAL-845-601

# CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:			<b>Section B</b> Required Project Information:			<b>Section C</b> Invoice Information:			Page: 2 of 3
Company: <b>Vistra Corp</b>			Report To: <b>Brian Voelker</b>			Attention: <b>Jason Stuckey</b>			
Address: <b>13498 E. 900th St</b>			Copy To: <b>Jason Stuckey</b>			Company Name: <b>Vistra Corp</b>			<b>REGULATORY AGENCY</b>
Email To: <a href="mailto:Brian.Voelker@VistraCorp.com">Brian.Voelker@VistraCorp.com</a>			Purchase Order No.:			Address: <b>see Section A</b>			NPDES    GROUND WATER    DRINKING WATER
Phone: <b>(217) 753-8911</b>		Fax:	Project Name:			Quote Reference:			UST    RCRA    OTHER
Requested Due Date/TAT: <b>10 day</b>			Project Number: <b>2285</b>			Project Manager:			Site Location
						Profile #:			STATE:    IL

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	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.			
		MATRIX	CODE			DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605			BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605
1	MW-355																										
2	MW-356								2		2																
3	MW-358								2		2																
4	MW-366					8-4-23	0954		2		2																
5	MW-369								2		2																
6	MW-370								2		2																
7	MW-375								2		2																
8	MW-377								2		2																
9	MW-382								2		2																
10	MW-383								2		2																
11	MW-384					8-4-23			2		2																
12	MW-390					8-4-23	0917		2		2																
13	MW-391					8-4-23	1020		2		2																
14	MW-392								2		2																
15	MW-393								2		2																
16	MW-394								2		2																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-23Q3 Rev 0 <i>Ro 226/228 CoC</i>	J. Cole	8-4	1545	<i>[Signature]</i>	8-4	1545	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:	DATE Signed (MM/DD/YY):					
SIGNATURE of SAMPLER: <i>[Signature]</i>	Justin Cole	8-4-23				

*23071340*  
BAL-845-604

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES      GROUND WATER      DRINKING WATER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST      RCRA      OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location		
Phone: (217) 753-8911      Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Profile#:		

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (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 WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ V/N ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No / Lab I.D.							
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605
1	MW-104DR																										
2	MW-104SR																										
3	MW-150				8-7-23	1125	2	2							✓						23071340-001						
4	MW-151				8-7-23	1057	2	2							✓						002						
5	MW-152						2	2							✓						003						
6	MW-153						2	2							✓						004						
7	MW-154																										
8	MW-155				8-7-23	1414																					
9	MW-192						2	2								✓					005						
10	MW-193						2	2								✓					006						
11	MW-252						2	2							✓						007						
12	MW-253						2	2							✓						008						
13	MW-304						2	2							✓						009						
14	MW-306						2	2							✓						010						
15	MW-350				8-7-23	1148	2	2							✓						011						
16	MW-352						2	2							✓						012						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>BAL-23Q3 Rev 0</b> <i>R2226/228 C&amp;C</i>	<i>J. GIP</i>	<i>8-7</i>	<i>1608</i>	<i>Orlando Dillab</i>	<i>8/7/23</i>	<i>1608</i>	#5 Y N Y 17.4

*Added HNO3(9004) to both cont.  
r MW-350. UM 8/8*

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed/Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
<i>Justin GIP</i>	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):					
<i>8-7-23</i>					

*Morgan Peter 8/7/23 1615*

23071340

### CHAIN-OF-CUSTODY / Analytical Request Document

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<b>Section A</b> Required Client Information:			<b>Section B</b> Required Project Information:			<b>Section C</b> Invoice Information:			<b>REGULATORY AGENCY</b>		
Company: <u>Vistra Corp</u>			Report To: <u>Brian Voelker</u>			Attention: <u>Jason Stuckey</u>			Company Name: <u>Vistra Corp</u>		
Address: <u>13498 E. 900th St</u>			Copy To: <u>Jason Stuckey</u>			Address: <u>see Section A</u>			NPDES    GROUND WATER    DRINKING WATER		
Email To: <u>Brian.Voelker@VistraCorp.com</u>			Purchase Order No.:			Quote Reference:			UST    RCRA    OTHER		
Phone: <u>(217) 753-8911</u> Fax:			Project Name:			Project Manager:			Site Location		IL
Requested Due Date/TAT: <u>10 day</u>			Project Number: <u>2285</u>			Profile #:			STATE:		

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (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 WIPE                     WP AIR                        AR OTHER                    OT TISSUE                  TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMPI)	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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test		BAL-257-601		BAL-257-605		BAL-845-601				BAL-845-605		BAL-CLOSURE-605		BAL-SUP-000		BAL-WPCP-605	
																	Y	N	Y	N	Y	N	Y	N			Y	N	Y	N	Y	N	Y	N
1	OW-156																																	
2	OW-157																																	
3	OW-256						2		2						✓			✓													23071340-028			
4	OW-257					8-7-23	2		2						✓			✓													029			
5	PZ-170 <i>by AFK leads</i>					8-7-23	2		2						✓			✓													030			
6	PZ-182					8-7-23	2		2						✓			✓													031			
7	TPZ-164						2		2																✓						032			
8	XPW01						2		2																	✓					033			
9	XPW05						2		2																		✓				034			
10	XPW06						2		2																		✓				035			
11	Field Blank						2		2						✓	✓		✓	✓												036			
12	MW-304 Duplicate						2		2						✓	✓		✓	✓												037			
13																																		
14																																		
15																																		
16																																		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION					ACCEPTED BY / AFFILIATION					SAMPLE CONDITIONS																			
BAL-23Q3 Rev 0 Re 226 / 228 CoC					J. CoP										4    N																			

<b>SAMPLER NAME AND SIGNATURE</b>			
PRINT Name of SAMPLER: <u>Justin CoP</u>		DATE Signed (MM/DD/YY): <u>8-7-23</u>	
SIGNATURE of SAMPLER:			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071340

### CHAIN-OF-CUSTODY / Analytical Request Document

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:	
				Profile #:	
<b>REGULATORY AGENCY</b>					
				NPDES	
				GROUND WATER	
				DRINKING WATER	
				UST	
				RCRA	
				OTHER	
Site Location			STATE: <b>IL</b>		

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 (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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	BAL-257-601					BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605
1	MW-355				8-7-23	1403																			
2	MW-356						2	2																	23071340-013
3	MW-358				8-7-23	1231	2	2																	014
4	MW-366						2	2																	015
5	MW-369						2	2																	016
6	MW-370						2	2																	017
7	MW-375				8-7-23	0957	2	2																	018
8	MW-377				8-7-23	1019	2	2																	019
9	MW-382						2	2																	020
10	MW-383						2	2																	021
11	MW-384						2	2																	022
12	MW-390						2	2																	023
13	MW-391						2	2																	024
14	MW-392						2	2																	025
15	MW-393						2	2																	026
16	MW-394						2	2																	027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
BAL-23Q3 Rev 0 <i>Re 226/228 C&amp;C</i>	J. Colp	8-7	1608	Brandon Decker	8/7/23	1608	Y	N

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): <i>8-7-23</i>
SIGNATURE of SAMPLER: <i>[Signature]</i>	Temp in °C
	Received on Ice (Y/N)
	Custody Sealed Cooler (Y/N)
	Samples Intact (Y/N)

*Mouyuan Petin 8/7/23 1615*

23071340  
BAL-845-605

### CHAIN-OF-CUSTODY / Analytical Request Document

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES      GROUND WATER      DRINKING WATER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST      RCRA      OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		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	Residual Chlorine (Y/N)	Project No./ Lab I.D.							
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other				BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-CLOSURE-605	BAL-SUP-000	BAL-WPCP-605
1	OW-156																									
2	OW-157																									
3	OW-256						2	2											23071340-028							
4	OW-257						2	2											029							
5	PZ-170						2	2											030							
6	PZ-182						2	2											031							
7	TPZ-164				8-7-23	1303	2	2											032							
8	XPW01						2	2											033							
9	XPW05						2	2											034							
10	XPW06						2	2											035							
11	Field Blank				8-7-23	1330	2	2											036							
12	MW-304 Duplicate						2	2											037							
13																										
14																										
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
BAL-23Q3 Rev 0 R226/228 GC	J. Gisp	8-7	1605	Morgan Petia	8/7/23	1100	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:	J. Gisp				
SIGNATURE of SAMPLER:	Morgan Petia	DATE Signed (MM/DD/YY):	8-7-23		

Morgan Petia 8/7/23 1615



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# **ANALYTICAL REPORT**

## **PREPARED FOR**

Attn: Elizabeth A Hurley  
TekLab, Inc

5445 Horseshoe Lake Road  
Collinsville, Illinois 62234

Generated 10/3/2023 2:03:51 PM Revision 1

## **JOB DESCRIPTION**

Radium-226 and Radium-228  
SDG NUMBER 23071340

## **JOB NUMBER**

160-51003-1

# 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



Generated  
10/3/2023 2:03:51 PM  
Revision 1

Authorized for release by  
Erika Jordan, Project Manager  
[erika.jordan@et.eurofinsus.com](mailto:erika.jordan@et.eurofinsus.com)  
Designee for  
Jayna Awalt, Project Manager II  
[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)  
(314)298-8566





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# Case Narrative

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND

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

Job ID: 160-51003-1  
SDG: 23071340

**Job ID: 160-51003-1**

**Laboratory: Eurofins St. Louis**

## Narrative

### Job Narrative 160-51003-1 Revision 1

#### Revision 1

A revised report was requested with updated sample times for the following samples: 23071340-006A from 9:08 to 9:21, 23071340-018A from 9:57 to 10:19, 23071340-019A from 10:19 to 9:57, 23071340-027A from 11:08 to 11:07.

#### Receipt

The samples were received on 8/18/2023 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved. The temperatures of the 5 coolers at receipt time were 6.0° C, 20.0° C, 20.7° C, 20.9° C and 21.2° C.

#### Receipt Exceptions

The following sample was received with 700mL in the container, while the requested analysis calls for a minimum of 1L: 23071340-030A (160-51003-30).

The following sample was listed on the Chain of Custody (COC); however, no sample was received: 23071340-029A (160-51003-29). No analyses were marked as requested on the COC.

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 5: 23071340-023A (160-51003-23) and 23071340-024A (160-51003-24). The samples were preserved to the appropriate pH in the laboratory.

#### RAD

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

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

#### Method 904.0: Radium-228

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: 23071340-002A (160-51003-2), 23071340-003A (160-51003-3), 23071340-005A (160-51003-5), 23071340-007A (160-51003-7) and 23071340-020A (160-51003-20). Analytical results are reported with the detection limit achieved.

The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-624957/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (63-154%) per method requirements. The LCS is within criteria and no further action is required.

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

Pg \_\_\_\_ of \_\_\_\_

**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:

**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#: 23071340  
Contact: Elizabeth Hurley Email: ehurley@teklabinc.com  
Requested Due Date: Standat TAT Billing/PO: 84841

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
	23071340-04A	8/15/23 12:37	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater



Relinquished By: *[Signature]* Date/Time: 8/15/23 2:36  
Received By: *[Signature]* Date/Time: 8/18/23 1:00 PM

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

Teklab Inc  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Project#: 23071340

Contact: Elizabeth Hurley  
Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT  
Billing/PO: 34841


Sampler: T. Carroll/B. Gillihan/J. Colp  
Cooler Temp:  QC Level: 3

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.

Phone: 618 344-1004 ext. 33

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

Ra226/228



160-51003-01 Chain of Custody

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23071340-001A	8/7/23 1125	HNO3	Groundwater
	23071340-002A	8/7/23 1057	HNO3	Groundwater
	23071340-003A	8/4/23 1339	HNO3	Groundwater
	23071340-004A	8/4/23 1148	HNO3	Groundwater
	23071340-005A	8/4/23 1010	HNO3	Groundwater
	23071340-006A	8/4/23 0908	HNO3	Groundwater
	23071340-007A	8/4/23 1412	HNO3	Groundwater
	23071340-008A	8/4/23 1207	HNO3	Groundwater
	23071340-009A	8/3/23 1510	HNO3	Groundwater
	23071340-010A	8/4/23 1110	HNO3	Groundwater
	23071340-011A	8/7/23 1148	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>Handwritten Signature</i>	8/8/23 9:38 am	<i>Handwritten Signature</i>	8-8-23 3:59
		<i>Handwritten Signature</i>	8-9-23 9:38

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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

Project#: 23071340

Contact: Elizabeth Hurley  
 Requested Due Date: Standad TAT

Sampler: T. Carroll/B. Gillihan/J. Colp  
 Cooler Temp:  QC Level: 3

Email: ehurley@teklabinc.com  
 Billing/PO: 34841

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										
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23071340-012A	8/4/23 1257	HNO3	Groundwater
	23071340-013A	8/3/23 1322	HNO3	Groundwater
	23071340-014A	8/7/23 1231	HNO3	Groundwater
	23071340-015A	8/4/23 0954	HNO3	Groundwater
	23071340-016A	8/3/23 1433	HNO3	Groundwater
	23071340-017A	8/3/23 1500	HNO3	Groundwater
	23071340-018A	8/7/23 0957	HNO3	Groundwater
	23071340-019A	8/7/23 1019	HNO3	Groundwater
	23071340-020A	8/3/23 1555	HNO3	Groundwater
	23071340-021A	8/3/23 1413	HNO3	Groundwater
	23071340-022A	8/3/23 1438	HNO3	Groundwater

\*Relinquished By: *Samuel Cant* Date/Time: 8/8/23

Received By: *Brian Langley* Date/Time: 8-8-23 3:59

8-9-23 9:35am 8-9-23 09:36

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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  Field

Teklab Inc  
 5445 Horseshoe Lake Road  
 Collinsville, IL 62234  
 Project#: 23071340  
 Cooler Temp:  Sampler: T. Carroll/B. Gillihan/J. Colp QC Level:  3  
 Preserved in:  Lab  Field

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com  
 Requested Due Date: Standad TAT Billing/PO: 34841  
 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.  
 \* limited volume

**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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23071340-023A	8/4/23 0917	HNO3	Groundwater
	23071340-024A	8/4/23 1020	HNO3	Groundwater
	23071340-025A	8/3/23 1221	HNO3	Groundwater
	23071340-026A	8/3/23 1143	HNO3	Groundwater
	23071340-027A	8/3/23 1108	HNO3	Groundwater
	23071340-028A	8/3/23 1407	HNO3	Groundwater
	23071340-029A	Dry	HNO3	Groundwater
	23071340-030A	8/4/23 1116 *	HNO3	Groundwater
	23071340-031A	8/4/23 1323	HNO3	Groundwater
	23071340-032A	8/7/23 1303	HNO3	Groundwater
	23071340-033A	8/3/23 1239	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	8/18/23	<i>[Signature]</i>	8-18-23 3:59
	9-9-23	<i>Barbara Gray</i>	9-9-23 0738

SubCocRevA 3/2/2016  
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## Jayna Awalt

---

**From:** Elizabeth A. Hurley <EHurley@TekLabInc.com>  
**Sent:** Friday, August 18, 2023 8:00 AM  
**To:** Jayna Awalt  
**Subject:** RE: Teklab WO# 23071340

**Categories:** Waiting on response

EXTERNAL EMAIL\*

A quick follow-up... Once you receive the resample containers for 23070390 and 23071340, please cancel/do not report 23070390-001, 23070390-024, and 23071340-031. The resamples are replacing these. I understand that analyses have already been started and expect to be billed for them despite the cancellation for reporting.

I apologize for the inconvenience that this is causing.

Thanks, again!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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**From:** Elizabeth A. Hurley  
**Sent:** Thursday, August 17, 2023 5:34 PM



**To:** 'Jayna Awalt' <Jayna.Awalt@et.eurofinsus.com>  
**Subject:** RE: Teklab WO# 23071340

Thanks for the note, Jayna. It sounds like they might have gotten left behind but will be delivered tomorrow (Friday) with the 23070390 resamples.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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**From:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Sent:** Thursday, August 17, 2023 5:16 PM  
**To:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Cc:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** RE: Teklab WO# 23071340  
**Importance:** High

We still have not received this re-sample. Can you let me know when it is coming?

Also, we are not typically here after 5pm. I know 6 coolers got dropped off yesterday evening at 530pm. Someone happened to be here but just FYI typically they are not.

Thanks,

**Jayna K. Awalt**  
Senior Project Manager  
Eurofins TestAmerica St. Louis

Phone: 314-298-8566  
Direct: 314-787-8277

E-mail: [Jayna.Awalt@ET.EurofinsUS.com](mailto:Jayna.Awalt@ET.EurofinsUS.com)

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**From:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Sent:** Tuesday, August 15, 2023 10:41 AM  
**To:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** RE: Teklab WO# 23071340

EXTERNAL EMAIL\*

Understood, Jayna. Thanks so much for your help. Hopefully, this is the only time we have to do this type of resampling.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
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[www.teklabinc.com](http://www.teklabinc.com)

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**From:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Sent:** Tuesday, August 15, 2023 10:33 AM  
**To:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Subject:** RE: Teklab WO# 23071340

Good morning Elizabeth,

I can have that sample added to SDG 160-51003 with the other 23071340 WO samples. This will create a new job start date and once received we will restart the 20 BD TAT.

Thanks,

**Jayna K. Awalt**  
Senior Project Manager  
Eurofins TestAmerica St. Louis

Phone: 314-298-8566  
Direct: 314-787-8277

E-mail: [Jayna.Awalt@ET.EurofinsUS.com](mailto:Jayna.Awalt@ET.EurofinsUS.com)

---

**From:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Sent:** Tuesday, August 15, 2023 7:55 AM  
**To:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** Teklab WO# 23071340

EXTERNAL EMAIL\*

Good morning, Jayna,

Teklab is required to resample at one location for WO# 23071340 and keep it on the original WO# for final reporting. We'll be delivering 23071340-045 to Eurofins-STL tomorrow or Thursday. Please include it with the original WO# and invoice. The fastest TAT available is requested in order to help expedite final reporting. We understand the constraints of the analytical process.

Thanks.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
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## Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51003-1

SDG Number: 23071340

**Login Number: 51003**

**List Number: 1**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	Rec sample 038A on 8/18 at 1430 added to current job per client request
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.	False	Limited volume received for sample 23071340-030A (700mL).
Sample Preservation Verified.	True	Samples 23071340-023/23071340-024 were preserved upon arrival.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Sample 23071340-030A will require a reduced aliquot.
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	

# Definitions/Glossary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND

Job ID: 160-51003-1  
RD-845-001  
SDG: 23071340

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

## 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

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



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



Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51003-1	23071340-001A	Water	08/07/23 11:25	08/18/23 14:30
160-51003-2	23071340-002A	Water	08/07/23 10:57	08/18/23 14:30
160-51003-3	23071340-003A	Water	08/04/23 13:39	08/18/23 14:30
160-51003-4	23071340-004A	Water	08/04/23 11:48	08/18/23 14:30
160-51003-5	23071340-005A	Water	08/04/23 10:10	08/18/23 14:30
160-51003-6	23071340-006A	Water	08/04/23 09:21	08/18/23 14:30
160-51003-7	23071340-007A	Water	08/04/23 14:12	08/18/23 14:30
160-51003-8	23071340-008A	Water	08/04/23 12:07	08/18/23 14:30
160-51003-9	23071340-009A	Water	08/03/23 15:10	08/18/23 14:30
160-51003-10	23071340-010A	Water	08/04/23 11:10	08/18/23 14:30
160-51003-11	23071340-011A	Water	08/07/23 11:48	08/18/23 14:30
160-51003-12	23071340-012A	Water	08/04/23 12:57	08/18/23 14:30
160-51003-13	23071340-013A	Water	08/03/23 13:22	08/18/23 14:30
160-51003-14	23071340-014A	Water	08/07/23 12:31	08/18/23 14:30
160-51003-15	23071340-015A	Water	08/04/23 09:54	08/18/23 14:30
160-51003-16	23071340-016A	Water	08/03/23 14:33	08/18/23 14:30
160-51003-17	23071340-017A	Water	08/03/23 15:00	08/18/23 14:30
160-51003-18	23071340-018A	Water	08/07/23 10:19	08/18/23 14:30
160-51003-19	23071340-019A	Water	08/07/23 09:57	08/18/23 14:30
160-51003-20	23071340-020A	Water	08/03/23 15:55	08/18/23 14:30
160-51003-21	23071340-021A	Water	08/03/23 14:13	08/18/23 14:30
160-51003-22	23071340-022A	Water	08/03/23 14:38	08/18/23 14:30
160-51003-23	23071340-023A	Water	08/04/23 09:17	08/18/23 14:30
160-51003-24	23071340-024A	Water	08/04/23 10:20	08/18/23 14:30
160-51003-25	23071340-025A	Water	08/03/23 12:21	08/18/23 14:30
160-51003-26	23071340-026A	Water	08/03/23 11:43	08/18/23 14:30
160-51003-27	23071340-027A	Water	08/03/23 11:07	08/18/23 14:30
160-51003-28	23071340-028A	Water	08/03/23 14:07	08/18/23 14:30
160-51003-30	23071340-030A	Water	08/04/23 11:16	08/18/23 14:30
160-51003-32	23071340-032A	Water	08/07/23 13:03	08/18/23 14:30
160-51003-33	23071340-033A	Water	08/03/23 12:39	08/18/23 14:30
160-51003-34	23071340-034A	Water	08/03/23 13:14	08/18/23 14:30
160-51003-35	23071340-035A	Water	08/03/23 13:39	08/18/23 14:30
160-51003-36	23071340-036A	Water	08/07/23 13:30	08/18/23 14:30
160-51003-37	23071340-037A	Water	08/03/23 15:10	08/18/23 14:30
160-51003-38	23071340-038A	Water	08/15/23 12:37	08/18/23 14:30



# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-001A**  
 Date Collected: 08/07/23 11:25  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-1**  
 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	0.0667	U	0.0829	0.0832	1.00	0.137	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.510	U	0.406	0.409	1.00	0.628	pCi/L	08/10/23 09:40	08/23/23 14:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					08/10/23 09:40	08/23/23 14:37	1
Y Carrier	82.2		30 - 110					08/10/23 09:40	08/23/23 14:37	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	0.576	U	0.414	0.417	5.00	0.628	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-002A**  
 Date Collected: 08/07/23 10:57  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-2**  
 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	0.615		0.259	0.265	1.00	0.262	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.8		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.528	U G	0.949	0.950	1.00	1.64	pCi/L	08/10/23 09:40	08/23/23 14:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.8		30 - 110					08/10/23 09:40	08/23/23 14:38	1
Y Carrier	80.0		30 - 110					08/10/23 09:40	08/23/23 14:38	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	1.14	U	0.984	0.986	5.00	1.64	pCi/L		09/15/23 17:00	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-003A**  
 Date Collected: 08/04/23 13:39  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-3**  
 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	0.0488	U	0.121	0.121	1.00	0.226	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.549	U G	0.777	0.778	1.00	1.31	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	81.1		30 - 110					08/10/23 09:40	08/23/23 14:39	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	0.598	U	0.786	0.787	5.00	1.31	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-004A**  
 Date Collected: 08/04/23 11:48  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-4**  
 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	0.0466	U	0.0629	0.0631	1.00	0.106	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.201	U	0.305	0.305	1.00	0.520	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	78.5		30 - 110					08/10/23 09:40	08/23/23 14:39	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	0.247	U	0.311	0.311	5.00	0.520	pCi/L		09/15/23 17:00	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-005A**  
 Date Collected: 08/04/23 10:10  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-5**  
 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	0.353	U	0.326	0.327	1.00	0.506	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	46.3		30 - 110					08/10/23 09:37	09/01/23 11:56	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	2.26	U G	1.52	1.54	1.00	2.29	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	46.3		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	80.7		30 - 110					08/10/23 09:40	08/23/23 14:39	1

## Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.61		1.55	1.57	5.00	2.29	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-006A**  
 Date Collected: 08/04/23 09:21  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-6**  
 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	0.0295	U	0.0721	0.0721	1.00	0.132	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.107	U	0.341	0.341	1.00	0.612	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	77.4		30 - 110					08/10/23 09:40	08/23/23 14:39	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	0.137	U	0.349	0.349	5.00	0.612	pCi/L		09/15/23 17:00	1

Eurofins St. Louis

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-007A**  
 Date Collected: 08/04/23 14:12  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-7**  
 Matrix: Water

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.337	U	0.291	0.292	1.00	0.431	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	38.5		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.842	U G	1.52	1.52	1.00	2.63	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	38.5		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	75.1		30 - 110					08/10/23 09:40	08/23/23 14:39	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	1.18	U	1.55	1.55	5.00	2.63	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-008A**  
 Date Collected: 08/04/23 12:07  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-8**  
 Matrix: Water

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.210		0.109	0.110	1.00	0.135	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					08/10/23 09:37	09/01/23 11:56	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	0.435	U	0.391	0.393	1.00	0.614	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	80.7		30 - 110					08/10/23 09:40	08/23/23 14:39	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.645		0.406	0.408	5.00	0.614	pCi/L		09/15/23 17:00	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-009A**  
 Date Collected: 08/03/23 15:10  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-9**  
 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	0.210		0.113	0.115	1.00	0.149	pCi/L	08/10/23 09:37	09/01/23 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:37	09/01/23 11:55	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	0.728		0.406	0.411	1.00	0.571	pCi/L	08/10/23 09:40	08/23/23 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:40	08/23/23 14:39	1
Y Carrier	78.9		30 - 110					08/10/23 09:40	08/23/23 14:39	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	0.937		0.421	0.427	5.00	0.571	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-010A**  
 Date Collected: 08/04/23 11:10  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-10**  
 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	0.0397	U	0.0758	0.0758	1.00	0.134	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/10/23 09:37	09/01/23 11:52	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	0.204	U	0.379	0.379	1.00	0.652	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	79.6		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.243	U	0.387	0.387	5.00	0.652	pCi/L		09/15/23 17:00	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-011A**  
 Date Collected: 08/07/23 11:48  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-11**  
 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	0.668		0.156	0.167	1.00	0.125	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/10/23 09:37	09/01/23 11:52	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	1.08		0.435	0.446	1.00	0.546	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	80.7		30 - 110					08/10/23 09:40	08/23/23 14:42	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	1.75		0.462	0.476	5.00	0.546	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-012A**  
 Date Collected: 08/04/23 12:57  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-12**  
 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	0.558		0.149	0.157	1.00	0.134	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					08/10/23 09:37	09/01/23 11:52	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	0.108	U	0.403	0.404	1.00	0.722	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	74.8		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.665	U	0.430	0.433	5.00	0.722	pCi/L		09/15/23 17:00	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-013A**  
 Date Collected: 08/03/23 13:22  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-13**  
 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	0.165		0.0874	0.0886	1.00	0.107	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					08/10/23 09:37	09/01/23 11:52	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	0.183	U	0.308	0.308	1.00	0.530	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	82.6		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.348	U	0.320	0.320	5.00	0.530	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-014A**  
 Date Collected: 08/07/23 12:31  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-14**  
 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	0.186		0.0918	0.0934	1.00	0.108	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:37	09/01/23 11:52	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	0.722		0.472	0.476	1.00	0.714	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	82.6		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.908		0.481	0.485	5.00	0.714	pCi/L		09/15/23 17:00	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-015A**  
 Date Collected: 08/04/23 09:54  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-15**  
 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	0.148	U	0.110	0.111	1.00	0.158	pCi/L	08/10/23 09:37	09/01/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					08/10/23 09:37	09/01/23 11:52	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	0.527	U	0.541	0.543	1.00	0.876	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	80.7		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.675	U	0.552	0.554	5.00	0.876	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-016A**  
 Date Collected: 08/03/23 14:33  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-16**  
 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	0.156	U	0.112	0.113	1.00	0.158	pCi/L	08/10/23 09:37	09/01/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/10/23 09:37	09/01/23 11:51	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	0.439	U	0.513	0.515	1.00	0.845	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	82.6		30 - 110					08/10/23 09:40	08/23/23 14:42	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.595	U	0.525	0.527	5.00	0.845	pCi/L		09/15/23 17:00	1



# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-017A**  
 Date Collected: 08/03/23 15:00  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-17**  
 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	0.330		0.117	0.120	1.00	0.121	pCi/L	08/10/23 09:37	09/01/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/10/23 09:37	09/01/23 11:51	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	0.513	U	0.404	0.407	1.00	0.623	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	80.4		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.843		0.421	0.424	5.00	0.623	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-018A**  
 Date Collected: 08/07/23 10:19  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-18**  
 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	0.0324	U	0.108	0.108	1.00	0.200	pCi/L	08/10/23 09:37	09/01/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.5		30 - 110					08/10/23 09:37	09/01/23 11:51	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	0.185	U	0.566	0.567	1.00	1.00	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.5		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	81.9		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.217	U	0.576	0.577	5.00	1.00	pCi/L		09/15/23 17:00	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-019A**  
 Date Collected: 08/07/23 09:57  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-19**  
 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	0.183		0.0945	0.0959	1.00	0.117	pCi/L	08/10/23 09:37	09/01/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					08/10/23 09:37	09/01/23 11:51	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	0.00666	U	0.233	0.233	1.00	0.447	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	87.1		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.190	U	0.251	0.252	5.00	0.447	pCi/L		09/15/23 17:00	1

**Client Sample ID: 23071340-020A**  
 Date Collected: 08/03/23 15:55  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-20**  
 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	0.248	U	0.204	0.205	1.00	0.302	pCi/L	08/10/23 09:37	09/01/23 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.5		30 - 110					08/10/23 09:37	09/01/23 11:51	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	0.656	U G	0.863	0.865	1.00	1.44	pCi/L	08/10/23 09:40	08/23/23 14:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.5		30 - 110					08/10/23 09:40	08/23/23 14:42	1
Y Carrier	84.5		30 - 110					08/10/23 09:40	08/23/23 14:42	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	0.904	U	0.887	0.889	5.00	1.44	pCi/L		09/15/23 17:00	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-021A**  
 Date Collected: 08/03/23 14:13  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-21**  
 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	0.122	U	0.123	0.123	1.00	0.196	pCi/L	08/10/23 09:43	09/01/23 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					08/10/23 09:43	09/01/23 07:39	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.524	0.534	1.00	0.691	pCi/L	08/10/23 09:45	08/23/23 14:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					08/10/23 09:45	08/23/23 14:19	1
Y Carrier	80.7		30 - 110					08/10/23 09:45	08/23/23 14:19	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		0.538	0.548	5.00	0.691	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-022A**  
 Date Collected: 08/03/23 14:38  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-22**  
 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	0.194		0.108	0.109	1.00	0.129	pCi/L	08/10/23 09:43	09/01/23 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					08/10/23 09:43	09/01/23 07:40	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	0.268	U	0.449	0.449	1.00	0.768	pCi/L	08/10/23 09:45	08/23/23 14:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					08/10/23 09:45	08/23/23 14:19	1
Y Carrier	81.9		30 - 110					08/10/23 09:45	08/23/23 14:19	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	0.462	U	0.462	0.462	5.00	0.768	pCi/L		09/15/23 17:01	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-023A**  
 Date Collected: 08/04/23 09:17  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-23**  
 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	0.207		0.0966	0.0984	1.00	0.104	pCi/L	08/10/23 09:43	09/01/23 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					08/10/23 09:43	09/01/23 07:40	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	1.42		0.471	0.489	1.00	0.547	pCi/L	08/10/23 09:45	08/23/23 14:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					08/10/23 09:45	08/23/23 14:19	1
Y Carrier	83.7		30 - 110					08/10/23 09:45	08/23/23 14:19	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	1.63		0.481	0.499	5.00	0.547	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-024A**  
 Date Collected: 08/04/23 10:20  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-24**  
 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	0.436		0.160	0.165	1.00	0.155	pCi/L	08/10/23 09:43	09/01/23 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					08/10/23 09:43	09/01/23 07:40	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	0.679	U	0.512	0.516	1.00	0.778	pCi/L	08/10/23 09:45	08/23/23 14:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					08/10/23 09:45	08/23/23 14:19	1
Y Carrier	83.0		30 - 110					08/10/23 09:45	08/23/23 14:19	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	1.11		0.536	0.542	5.00	0.778	pCi/L		09/15/23 17:01	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-025A**  
 Date Collected: 08/03/23 12:21  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-25**  
 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	0.150		0.0857	0.0868	1.00	0.104	pCi/L	08/10/23 09:43	09/01/23 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					08/10/23 09:43	09/01/23 07:42	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.473	0.483	1.00	0.641	pCi/L	08/10/23 09:45	08/23/23 14:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					08/10/23 09:45	08/23/23 14:19	1
Y Carrier	80.7		30 - 110					08/10/23 09:45	08/23/23 14:19	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	1.19		0.481	0.491	5.00	0.641	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-026A**  
 Date Collected: 08/03/23 11:43  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-26**  
 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	0.0820	U	0.0826	0.0829	1.00	0.127	pCi/L	08/10/23 09:43	09/01/23 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					08/10/23 09:43	09/01/23 07:42	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.261	U	0.387	0.388	1.00	0.657	pCi/L	08/10/23 09:45	08/23/23 14:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					08/10/23 09:45	08/23/23 14:20	1
Y Carrier	82.2		30 - 110					08/10/23 09:45	08/23/23 14:20	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	0.343	U	0.396	0.397	5.00	0.657	pCi/L		09/15/23 17:01	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-027A**  
 Date Collected: 08/03/23 11:07  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-27**  
 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	0.0967	U	0.0839	0.0844	1.00	0.121	pCi/L	08/10/23 09:43	09/01/23 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/10/23 09:43	09/01/23 07:42	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.403	U	0.422	0.424	1.00	0.681	pCi/L	08/10/23 09:45	08/23/23 14:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/10/23 09:45	08/23/23 14:20	1
Y Carrier	78.9		30 - 110					08/10/23 09:45	08/23/23 14:20	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	0.500	U	0.430	0.432	5.00	0.681	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-028A**  
 Date Collected: 08/03/23 14:07  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-28**  
 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	0.158		0.110	0.111	1.00	0.152	pCi/L	08/10/23 09:43	09/01/23 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:43	09/01/23 07:42	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.105	U	0.365	0.365	1.00	0.660	pCi/L	08/10/23 09:45	08/23/23 14:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:45	08/23/23 14:20	1
Y Carrier	83.0		30 - 110					08/10/23 09:45	08/23/23 14:20	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	0.263	U	0.381	0.382	5.00	0.660	pCi/L		09/15/23 17:01	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-030A**  
 Date Collected: 08/04/23 11:16  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-30**  
 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	0.221		0.122	0.124	1.00	0.147	pCi/L	08/10/23 09:43	09/01/23 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					08/10/23 09:43	09/01/23 07:42	1

## Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.941		0.583	0.590	1.00	0.857	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	83.4		30 - 110					08/10/23 09:45	08/23/23 14:30	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	1.16		0.596	0.603	5.00	0.857	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-032A**  
 Date Collected: 08/07/23 13:03  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-32**  
 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	0.122		0.0835	0.0842	1.00	0.114	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/10/23 09:43	09/01/23 07:46	1

## Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.246	U	0.313	0.314	1.00	0.521	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	84.5		30 - 110					08/10/23 09:45	08/23/23 14:30	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	0.368	U	0.324	0.325	5.00	0.521	pCi/L		09/15/23 17:01	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-033A**

**Lab Sample ID: 160-51003-33**

Date Collected: 08/03/23 12:39

Matrix: Water

Date Received: 08/18/23 14:30

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0563	U	0.105	0.105	1.00	0.186	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/10/23 09:43	09/01/23 07:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.865</b>		0.524	0.530	1.00	0.754	pCi/L	08/10/23 09:45	08/23/23 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/10/23 09:45	08/23/23 14:29	1
Y Carrier	75.5		30 - 110					08/10/23 09:45	08/23/23 14:29	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
<b>Radium 226 and 228</b>	<b>0.921</b>		0.534	0.540	5.00	0.754	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-034A**

**Lab Sample ID: 160-51003-34**

Date Collected: 08/03/23 13:14

Matrix: Water

Date Received: 08/18/23 14:30

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.209	U	0.153	0.154	1.00	0.221	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.0		30 - 110					08/10/23 09:43	09/01/23 07:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.983</b>		0.639	0.646	1.00	0.945	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.0		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	86.0		30 - 110					08/10/23 09:45	08/23/23 14:30	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
<b>Radium 226 and 228</b>	<b>1.19</b>		0.657	0.664	5.00	0.945	pCi/L		09/15/23 17:01	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-035A**  
 Date Collected: 08/03/23 13:39  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-35**  
 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	0.298		0.141	0.143	1.00	0.169	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					08/10/23 09:43	09/01/23 07:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.666	U	0.538	0.542	1.00	0.840	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	82.6		30 - 110					08/10/23 09:45	08/23/23 14:30	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	0.964		0.556	0.561	5.00	0.840	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-036A**  
 Date Collected: 08/07/23 13:30  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-36**  
 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	0.0574	U	0.0648	0.0650	1.00	0.103	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					08/10/23 09:43	09/01/23 07:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0560	U	0.317	0.317	1.00	0.617	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	76.6		30 - 110					08/10/23 09:45	08/23/23 14:30	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	0.0574	U	0.324	0.324	5.00	0.617	pCi/L		09/15/23 17:01	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Client Sample ID: 23071340-037A**  
 Date Collected: 08/03/23 15:10  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-37**  
 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	0.123		0.0826	0.0833	1.00	0.111	pCi/L	08/10/23 09:43	09/01/23 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/10/23 09:43	09/01/23 07:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.182	U	0.277	0.277	1.00	0.472	pCi/L	08/10/23 09:45	08/23/23 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/10/23 09:45	08/23/23 14:30	1
Y Carrier	86.0		30 - 110					08/10/23 09:45	08/23/23 14:30	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	0.305	U	0.289	0.289	5.00	0.472	pCi/L		09/15/23 17:01	1

**Client Sample ID: 23071340-038A**  
 Date Collected: 08/15/23 12:37  
 Date Received: 08/18/23 14:30

**Lab Sample ID: 160-51003-38**  
 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	0.0813	U	0.0714	0.0717	1.00	0.104	pCi/L	08/22/23 09:49	09/13/23 07:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/22/23 09:49	09/13/23 07:25	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	1.32		0.451	0.467	1.00	0.541	pCi/L	08/22/23 09:53	09/07/23 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/22/23 09:53	09/07/23 11:36	1
Y Carrier	86.7		30 - 110					08/22/23 09:53	09/07/23 11:36	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	1.40		0.457	0.472	5.00	0.541	pCi/L		09/15/23 15:50	1

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# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

## Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-623636/1-A  
 Matrix: Water  
 Analysis Batch: 626386

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623636

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.01249	U	0.0539	0.0540	1.00	0.106	pCi/L	08/10/23 09:37	09/01/23 11:56	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	88.2		30 - 110					08/10/23 09:37	09/01/23 11:56	1

Lab Sample ID: LCS 160-623636/2-A  
 Matrix: Water  
 Analysis Batch: 626386

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623636

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.18		1.09	1.00	0.144	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	83.3		30 - 110					08/10/23 09:37	09/01/23 11:56

Lab Sample ID: LCSD 160-623636/3-A  
 Matrix: Water  
 Analysis Batch: 626386

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 623636

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	11.47		1.22	1.00	0.145	pCi/L	101	75 - 125	0.56	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	76.2		30 - 110					08/10/23 09:43	09/01/23 07:39	1	

Lab Sample ID: MB 160-623638/1-A  
 Matrix: Water  
 Analysis Batch: 626379

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623638

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.07968	U	0.0733	0.0737	1.00	0.111	pCi/L	08/10/23 09:43	09/01/23 07:39	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	81.4		30 - 110					08/10/23 09:43	09/01/23 07:39	1

Lab Sample ID: LCS 160-623638/2-A  
 Matrix: Water  
 Analysis Batch: 626379

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623638

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.66		1.12	1.00	0.105	pCi/L	94	75 - 125

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# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

## Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-623638/2-A  
 Matrix: Water  
 Analysis Batch: 626379

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623638

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.8		30 - 110

Lab Sample ID: MB 160-624956/1-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006388	U	0.0589	0.0589	1.00	0.125	pCi/L	08/22/23 09:49	09/13/23 07:23	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.9		30 - 110					08/22/23 09:49	09/13/23 07:23	1

Lab Sample ID: LCS 160-624956/2-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.65		1.15	1.00	0.115	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	80.2		30 - 110						

Lab Sample ID: LCSD 160-624956/3-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	11.3	11.13		1.20	1.00	0.130	pCi/L	98	75 - 125	0.20	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	76.9		30 - 110								

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

Lab Sample ID: MB 160-623637/1-A  
 Matrix: Water  
 Analysis Batch: 625261

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623637

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1957	U	0.353	0.354	1.00	0.689	pCi/L	08/10/23 09:40	08/23/23 14:37	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/10/23 09:40	08/23/23 14:37	1

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# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

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

Lab Sample ID: MB 160-623637/1-A  
 Matrix: Water  
 Analysis Batch: 625261

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623637

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	84.9		30 - 110	08/10/23 09:40	08/23/23 14:37	1

Lab Sample ID: LCS 160-623637/2-A  
 Matrix: Water  
 Analysis Batch: 625261

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623637

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.93	7.689		1.18	1.00	0.603	pCi/L	97	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.3		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: LCSD 160-623637/3-A  
 Matrix: Water  
 Analysis Batch: 625261

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 623637

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	7.93	8.606		1.30	1.00	0.659	pCi/L	108	75 - 125	0.37	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	76.2		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: MB 160-623639/1-A  
 Matrix: Water  
 Analysis Batch: 625263

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623639

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3229	U	0.356	0.358	1.00	0.582	pCi/L	08/10/23 09:45	08/23/23 14:18	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110	08/10/23 09:45	08/23/23 14:18	1
Y Carrier	84.1		30 - 110	08/10/23 09:45	08/23/23 14:18	1

Lab Sample ID: LCS 160-623639/2-A  
 Matrix: Water  
 Analysis Batch: 625263

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623639

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.93	9.482		1.30	1.00	0.517	pCi/L	120	75 - 125

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

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

Lab Sample ID: LCS 160-623639/2-A  
 Matrix: Water  
 Analysis Batch: 625263

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623639

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	86.8		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: MB 160-624957/1-A  
 Matrix: Water  
 Analysis Batch: 627054

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 624957

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.7864		0.510	0.515	1.00	0.758	pCi/L	08/22/23 09:53	09/07/23 11:35	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	68.9		30 - 110	08/22/23 09:53	09/07/23 11:35	1
Y Carrier	83.0		30 - 110	08/22/23 09:53	09/07/23 11:35	1

Lab Sample ID: LCSD 160-624957/3-A  
 Matrix: Water  
 Analysis Batch: 627054

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 624957

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	76.9		30 - 110
Y Carrier	84.5		30 - 110

# QC Association Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND

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

Job ID: 160-51003-1  
SDG: 23071340

## Rad

### Prep Batch: 623636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-1	23071340-001A	Total/NA	Water	PrecSep-21	
160-51003-2	23071340-002A	Total/NA	Water	PrecSep-21	
160-51003-3	23071340-003A	Total/NA	Water	PrecSep-21	
160-51003-4	23071340-004A	Total/NA	Water	PrecSep-21	
160-51003-5	23071340-005A	Total/NA	Water	PrecSep-21	
160-51003-6	23071340-006A	Total/NA	Water	PrecSep-21	
160-51003-7	23071340-007A	Total/NA	Water	PrecSep-21	
160-51003-8	23071340-008A	Total/NA	Water	PrecSep-21	
160-51003-9	23071340-009A	Total/NA	Water	PrecSep-21	
160-51003-10	23071340-010A	Total/NA	Water	PrecSep-21	
160-51003-11	23071340-011A	Total/NA	Water	PrecSep-21	
160-51003-12	23071340-012A	Total/NA	Water	PrecSep-21	
160-51003-13	23071340-013A	Total/NA	Water	PrecSep-21	
160-51003-14	23071340-014A	Total/NA	Water	PrecSep-21	
160-51003-15	23071340-015A	Total/NA	Water	PrecSep-21	
160-51003-16	23071340-016A	Total/NA	Water	PrecSep-21	
160-51003-17	23071340-017A	Total/NA	Water	PrecSep-21	
160-51003-18	23071340-018A	Total/NA	Water	PrecSep-21	
160-51003-19	23071340-019A	Total/NA	Water	PrecSep-21	
160-51003-20	23071340-020A	Total/NA	Water	PrecSep-21	
MB 160-623636/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-623636/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-623636/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 623637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-1	23071340-001A	Total/NA	Water	PrecSep_0	
160-51003-2	23071340-002A	Total/NA	Water	PrecSep_0	
160-51003-3	23071340-003A	Total/NA	Water	PrecSep_0	
160-51003-4	23071340-004A	Total/NA	Water	PrecSep_0	
160-51003-5	23071340-005A	Total/NA	Water	PrecSep_0	
160-51003-6	23071340-006A	Total/NA	Water	PrecSep_0	
160-51003-7	23071340-007A	Total/NA	Water	PrecSep_0	
160-51003-8	23071340-008A	Total/NA	Water	PrecSep_0	
160-51003-9	23071340-009A	Total/NA	Water	PrecSep_0	
160-51003-10	23071340-010A	Total/NA	Water	PrecSep_0	
160-51003-11	23071340-011A	Total/NA	Water	PrecSep_0	
160-51003-12	23071340-012A	Total/NA	Water	PrecSep_0	
160-51003-13	23071340-013A	Total/NA	Water	PrecSep_0	
160-51003-14	23071340-014A	Total/NA	Water	PrecSep_0	
160-51003-15	23071340-015A	Total/NA	Water	PrecSep_0	
160-51003-16	23071340-016A	Total/NA	Water	PrecSep_0	
160-51003-17	23071340-017A	Total/NA	Water	PrecSep_0	
160-51003-18	23071340-018A	Total/NA	Water	PrecSep_0	
160-51003-19	23071340-019A	Total/NA	Water	PrecSep_0	
160-51003-20	23071340-020A	Total/NA	Water	PrecSep_0	
MB 160-623637/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-623637/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-623637/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

# QC Association Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOTTOM ASH POND

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

Lab ID: 160-51003-1  
SDG: 23071340

## Rad

### Prep Batch: 623638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-21	23071340-021A	Total/NA	Water	PrecSep-21	
160-51003-22	23071340-022A	Total/NA	Water	PrecSep-21	
160-51003-23	23071340-023A	Total/NA	Water	PrecSep-21	
160-51003-24	23071340-024A	Total/NA	Water	PrecSep-21	
160-51003-25	23071340-025A	Total/NA	Water	PrecSep-21	
160-51003-26	23071340-026A	Total/NA	Water	PrecSep-21	
160-51003-27	23071340-027A	Total/NA	Water	PrecSep-21	
160-51003-28	23071340-028A	Total/NA	Water	PrecSep-21	
160-51003-30	23071340-030A	Total/NA	Water	PrecSep-21	
160-51003-32	23071340-032A	Total/NA	Water	PrecSep-21	
160-51003-33	23071340-033A	Total/NA	Water	PrecSep-21	
160-51003-34	23071340-034A	Total/NA	Water	PrecSep-21	
160-51003-35	23071340-035A	Total/NA	Water	PrecSep-21	
160-51003-36	23071340-036A	Total/NA	Water	PrecSep-21	
160-51003-37	23071340-037A	Total/NA	Water	PrecSep-21	
MB 160-623638/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-623638/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 623639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-21	23071340-021A	Total/NA	Water	PrecSep_0	
160-51003-22	23071340-022A	Total/NA	Water	PrecSep_0	
160-51003-23	23071340-023A	Total/NA	Water	PrecSep_0	
160-51003-24	23071340-024A	Total/NA	Water	PrecSep_0	
160-51003-25	23071340-025A	Total/NA	Water	PrecSep_0	
160-51003-26	23071340-026A	Total/NA	Water	PrecSep_0	
160-51003-27	23071340-027A	Total/NA	Water	PrecSep_0	
160-51003-28	23071340-028A	Total/NA	Water	PrecSep_0	
160-51003-30	23071340-030A	Total/NA	Water	PrecSep_0	
160-51003-32	23071340-032A	Total/NA	Water	PrecSep_0	
160-51003-33	23071340-033A	Total/NA	Water	PrecSep_0	
160-51003-34	23071340-034A	Total/NA	Water	PrecSep_0	
160-51003-35	23071340-035A	Total/NA	Water	PrecSep_0	
160-51003-36	23071340-036A	Total/NA	Water	PrecSep_0	
160-51003-37	23071340-037A	Total/NA	Water	PrecSep_0	
MB 160-623639/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-623639/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 624956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-38	23071340-038A	Total/NA	Water	PrecSep-21	
MB 160-624956/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-624956/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-624956/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 624957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51003-38	23071340-038A	Total/NA	Water	PrecSep_0	
MB 160-624957/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCSD 160-624957/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	



# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

**Method: 903.0 - Radium-226 (GFPC)**

**Matrix: Water**

**Prep Type: Total/NA**

**Percent Yield (Acceptance Limits)**

Lab Sample ID	Client Sample ID	Ba (30-110)
160-51003-1	23071340-001A	85.3
160-51003-2	23071340-002A	59.8
160-51003-3	23071340-003A	80.9
160-51003-4	23071340-004A	83.8
160-51003-5	23071340-005A	46.3
160-51003-6	23071340-006A	84.8
160-51003-7	23071340-007A	38.5
160-51003-8	23071340-008A	79.7
160-51003-9	23071340-009A	88.2
160-51003-10	23071340-010A	84.8
160-51003-11	23071340-011A	86.5
160-51003-12	23071340-012A	83.3
160-51003-13	23071340-013A	86.3
160-51003-14	23071340-014A	88.2
160-51003-15	23071340-015A	82.8
160-51003-16	23071340-016A	83.8
160-51003-17	23071340-017A	90.4
160-51003-18	23071340-018A	75.5
160-51003-19	23071340-019A	88.5
160-51003-20	23071340-020A	63.5
160-51003-21	23071340-021A	85.8
160-51003-22	23071340-022A	84.6
160-51003-23	23071340-023A	82.8
160-51003-24	23071340-024A	74.0
160-51003-25	23071340-025A	87.5
160-51003-26	23071340-026A	86.0
160-51003-27	23071340-027A	85.0
160-51003-28	23071340-028A	88.2
160-51003-30	23071340-030A	78.2
160-51003-32	23071340-032A	90.9
160-51003-33	23071340-033A	88.7
160-51003-34	23071340-034A	65.0
160-51003-35	23071340-035A	85.3
160-51003-36	23071340-036A	89.5
160-51003-37	23071340-037A	87.0
160-51003-38	23071340-038A	89.0
LCS 160-623636/2-A	Lab Control Sample	83.3
LCS 160-623638/2-A	Lab Control Sample	86.8
LCS 160-624956/2-A	Lab Control Sample	80.2
LCSD 160-623636/3-A	Lab Control Sample Dup	76.2
LCSD 160-624956/3-A	Lab Control Sample Dup	76.9
MB 160-623636/1-A	Method Blank	88.2
MB 160-623638/1-A	Method Blank	81.4
MB 160-624956/1-A	Method Blank	68.9

**Tracer/Carrier Legend**

Ba = Ba Carrier

# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 Lab ID: 160-51003-1  
 SDG: 23071340

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

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-51003-1	23071340-001A	85.3	82.2
160-51003-2	23071340-002A	59.8	80.0
160-51003-3	23071340-003A	80.9	81.1
160-51003-4	23071340-004A	83.8	78.5
160-51003-5	23071340-005A	46.3	80.7
160-51003-6	23071340-006A	84.8	77.4
160-51003-7	23071340-007A	38.5	75.1
160-51003-8	23071340-008A	79.7	80.7
160-51003-9	23071340-009A	88.2	78.9
160-51003-10	23071340-010A	84.8	79.6
160-51003-11	23071340-011A	86.5	80.7
160-51003-12	23071340-012A	83.3	74.8
160-51003-13	23071340-013A	86.3	82.6
160-51003-14	23071340-014A	88.2	82.6
160-51003-15	23071340-015A	82.8	80.7
160-51003-16	23071340-016A	83.8	82.6
160-51003-17	23071340-017A	90.4	80.4
160-51003-18	23071340-018A	75.5	81.9
160-51003-19	23071340-019A	88.5	87.1
160-51003-20	23071340-020A	63.5	84.5
160-51003-21	23071340-021A	85.8	80.7
160-51003-22	23071340-022A	84.6	81.9
160-51003-23	23071340-023A	82.8	83.7
160-51003-24	23071340-024A	74.0	83.0
160-51003-25	23071340-025A	87.5	80.7
160-51003-26	23071340-026A	86.0	82.2
160-51003-27	23071340-027A	85.0	78.9
160-51003-28	23071340-028A	88.2	83.0
160-51003-30	23071340-030A	78.2	83.4
160-51003-32	23071340-032A	90.9	84.5
160-51003-33	23071340-033A	88.7	75.5
160-51003-34	23071340-034A	65.0	86.0
160-51003-35	23071340-035A	85.3	82.6
160-51003-36	23071340-036A	89.5	76.6
160-51003-37	23071340-037A	87.0	86.0
160-51003-38	23071340-038A	89.0	86.7
LCS 160-623637/2-A	Lab Control Sample	83.3	80.4
LCS 160-623639/2-A	Lab Control Sample	86.8	82.6
LCSD 160-623637/3-A	Lab Control Sample Dup	76.2	82.2
LCSD 160-624957/3-A	Lab Control Sample Dup	76.9	84.5
MB 160-623637/1-A	Method Blank	88.2	84.9
MB 160-623639/1-A	Method Blank	81.4	84.1
MB 160-624957/1-A	Method Blank	68.9	83.0

#### Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 BALDWIN, BOTTOM ASH POND  
 BAL-845-601

Summary of Well Information

Site Sampling Event	Baldwin 3Q 2023																		
LIMS Workorder	23071339																		
Technician	BG, JC, TAC																		
WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	comments	
001A	MW-104DR	08/03/2023	1540	1540		13.95			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.183		
002A	MW-104SR	08/03/2023	1555	1555		13.9			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	None	Slight	1.178		
003A	MW-150	08/07/2023	1125	1125		20.65			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	0.315		
004A	MW-151	08/07/2023	1057	1057		8.07			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	Lt. Brown	None	0.329		
005A	MW-152	08/04/2023	1339	1339		8.19			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	None	Slight	0.252		
006A	MW-153	08/04/2023	1148	1148		16.19			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.315		
007A	MW-154			0		DRY												DRY	
008A	MW-155	08/07/2023	1414	1414		19.95			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.07		
009A	MW-192	08/04/2023	1010	1010		8.42			Good	Bladder Pump	Low Flow	Yes	Cloudy	Slight	None	Slight	over range		
010A	MW-193	08/04/2023	908	0908		8.99			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	over range		
011A	MW-252	08/04/2023	1412	1412		2.81			Good	Submersible Pump	Low Flow	Yes	Cloudy	Slight	None	Moderate	6.286		
012A	MW-253	08/04/2023	1207	1207		16.15			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.858		
013A	MW-304	08/03/2023	1510	1510		9.84			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0		
014A	MW-306	08/04/2023	1110	1110		17.49			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.109		
015A	MW-350	08/07/2023	1148	1148		23.89			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	0.191		
016A	MW-352	08/04/2023	1257	1257		13.49			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.46		
017A	MW-355	08/07/2023	1403	1403		25.26			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.357		
018A	MW-356	08/03/2023	1322	1322		4.43			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	5.197		
019A	MW-358	08/07/2023	1231	1231		31.1			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.333		
020A	MW-366	08/04/2023	954	0954		18.26			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.035		
021A	MW-369	08/03/2023	1433	1433		14.56			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	6.016		
022A	MW-370	08/03/2023	1500	1500		9.5			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	5.954		
023A	MW-375	08/07/2023	957	0957		33.56			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.16		
024A	MW-377	08/07/2023	1019	1019		6.17			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.015		
025A	MW-382	08/03/2023	1555	1555		16.71			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	Grey	None	over Range		
026A	MW-383	08/03/2023	1413	1413		19.92			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.283		
027A	MW-384	08/03/2023	1438	1438		15.1			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	1.379		
028A	MW-390	08/04/2023	917	0917		8.89			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.087		
029A	MW-391	08/04/2023	1020	1020		65.43			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0		
030A	MW-392	08/03/2023	1221	1221		8.18			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	5.516		
031A	MW-393	08/03/2023	1143	1143		8.13			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	over range		
032A	MW-394	08/03/2023	1108	1108		7.45			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	over range		
033A	OW-156	08/15/2023	1131	1131		9.64			Good	Bailer			Cloudy	None	Grey	Slight			
034A	OW-157	08/15/2023	13.04	013.04		8.33			Good	Bailer			Cloudy	None	None	Slight			
035A	OW-256	08/03/2023	1407	1407		12.73			Good	Submersible Pump	Low Flow	Yes	Cloudy	None	None	Slight	over range		
036A	OW-257	08/04/2023	dry	dry		7.77			Good	Submersible Pump	Low Flow	Yes	Clear	None	Grey	Moderate		went dry	
037A	PZ-170	08/04/2023	1116	1116		17.76			Good	Submersible Pump	Low Flow	Yes	Clear	None	None	None	6.815	went dry	
038A	PZ-182	08/04/2023	1323	1323		19.82			Good	Submersible Pump	Low Flow	Yes	Cloudy	Slight	Lt. Brown	Slight	5.543		
039A	TPZ-164	08/07/2023	1303	1303		3.72			Good	Submersible Pump	Low Flow	Yes	Clear	None	None	None	5.202		
040A	XPW01	08/03/2023	1239	1239		11.16			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.788		
041A	XPW05	08/03/2023	1314	1314		4.73			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	1.314		
042A	XPW06	08/03/2023	1339	1339		2.57			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	3.895		
043A	Field Blank	08/07/2023	1330	1330															
044A	MW-304 DUP	08/03/2023	1510	1510		9.84													
045A	PZ-182 (resample)	08/15/2023	1231	1231		18.99			Good	Submersible Pump	Low Flow	Yes	Clear	None	None	Slight	5.492		

Summary of Stabilized Field Parameters

Site Sampling Event	Baldwin 3Q 2023																
LIMS Workorder	23071339																
Technician	BG, JC, TAC																
Well ID	Date	Time	Time (adj)	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
MW-104DR	8/3/2023	15:40	1540	15.2	59.36	7.03	1235.8	1235.8	1.04	2.38	69.8			13.95			23071339-001A
MW-104SR	8/3/2023	15:55	1555	17.4	63.32	6.71	1435.8	1435.8	0.81	25.13	91.5			13.9			23071339-002A
MW-150	8/7/2023	11:25	1125	14	57.2	7.05	2610.8	2610.8	1.65	3.14	-64.7			20.65			23071339-003A
MW-151	8/7/2023	10:57	1057	16.3	61.34	6.76	1271.8	1271.8	2.23	69.3	165.6			8.07			23071339-004A
MW-152	8/4/2023	13:39	1339	15.1	59.18	6.93	2397.6	2397.6	2.19	49.27	108.1			8.19			23071339-005A
MW-153	8/4/2023	11:48	1148	14.9	58.82	7.19	781	781	2.21	3.4	88.8			16.19			23071339-006A
														DRY			23071339-007A
MW-155	8/7/2023	14:14	1414	14.7	58.46	7.09	1105.8	1105.8	0.97	10.69	87.9			19.95			23071339-008A
MW-192	8/4/2023	10:10	1010	18.7	65.66	6.61	906	906	0.46	291.25	-101.7			8.42			23071339-009A
MW-193	8/4/2023	9:21	0921	17.4	63.32	6.5	1079	1079	0.91	4.91	-13.2			8.99			23071339-010A
MW-252	8/4/2023	14:12	1412	18.9	66.02	6.68	1940	1940	0.99	92.7	-51.3			2.81			23071339-011A
MW-253	8/4/2023	12:07	1207	15	59	11.28	937.5	937.5	0.65	8.03	68.2			16.15			23071339-012A
MW-304	8/3/2023	15:10	1510	16.2	61.16	7.92	3002	3002	0.69	2.84	77.5			9.84			23071339-013A
MW-306	8/4/2023	11:10	1110	16.2	61.16	10.58	737.7	737.7	0.65	2.48	78.5			17.49			23071339-014A
MW-350	8/7/2023	11:48	1148	13.9	57.02	11.52	1038.2	1038.2	2.55	2.32	-6.7			23.89			23071339-015A
MW-352	8/4/2023	12:57	1257	16.4	61.52	7.9	1355.3	1355.3	0.73	3.4	85.4			13.49			23071339-016A
MW-355	8/7/2023	14:03	1403	14.5	58.1	7.29	1076.6	1076.6	2.19	3.23	77.4			25.26			23071339-017A
MW-356	8/3/2023	13:22	1322	17.5	63.5	7.86	1326	1326	1.53	2.24	-55.8			4.43			23071339-018A
MW-358	8/7/2023	12:31	1231	16.1	60.98	8	6937.6	6937.6	1.37	8.41	-42.4			31.1			23071339-019A
MW-366	8/4/2023	9:54	0954	15.4	59.72	6.87	2022	2022	0.61	6	92.5			18.26			23071339-020A
MW-369	8/3/2023	14:33	1433	15.8	60.44	8.33	2620	2620	0.67	16.59	-76.5			14.56			23071339-021A
MW-370	8/3/2023	15:00	1500	16.1	60.98	7.79	6672	6672	0.68	3.32	-16.6			9.5			23071339-022A
MW-375	8/7/2023	10:19	1019	15.8	60.44	6.98	1410.8	1410.8	0.66	4.22	159.5			33.56			23071339-023A
MW-377	8/7/2023	9:57	0957	15.4	59.72	7.56	2129.8	2129.8	0.71	6.6	141.7			6.17			23071339-024A
MW-382	8/3/2023	15:55	1555	16	60.8	7.9	1907	1907	0.51	178.31	-36.1			16.71			23071339-025A
MW-383	8/3/2023	14:13	1413	19.1	66.38	7.56	1884.2	1884.2	0.61	4.94	28.7			19.92			23071339-026A
MW-384	8/3/2023	14:38	1438	17.5	63.5	8.09	3561.1	3561.1	0.7	6.97	54.3			15.1			23071339-027A
MW-390	8/4/2023	9:17	0917	17.3	63.14	7.17	2167.1	2167.1	0.59	21.4	72.8			8.89			23071339-028A
MW-391	8/4/2023	10:20	1020	16.4	61.52	7.83	4050.9	4050.9	1	7.61	121.7			65.43			23071339-029A
MW-392	8/3/2023	12:21	1221	18.2	64.76	7.86	4024	4024	0.81	3.25	-170.4			8.18			23071339-030A
MW-393	8/3/2023	11:43	1143	18	64.4	8.36	4705	4705	0.57	1.56	-324.9			8.13			23071339-031A
MW-394	8/3/2023	11:07	1107	17.4	63.32	8	3659	3659	0.51	15.78	-323.7			7.45			23071339-032A
OW-156	8/15/2023	11:31	1131	18.8	65.84	6.32	1366.3	1366.3	3.79	31.59	145			9.64			23071339-033A
OW-157	8/15/2023	13:04	1304	16.5	61.7	6.24	6206.1	6206.1	2.65	55.37	55.6			8.33			23071339-034A
OW-256	8/3/2023	14:07	1407	17.1	62.78	6.83	987	987	0.47	6.21	-43.2			12.73			23071339-035A
														7.77			23071339-036A
PZ-170	8/4/2023	11:16	1116	16.4	61.52	6.57	1948	1948	0.6	18.23	-156.3			17.76			23071339-037A
PZ-182	8/4/2023	13:23	1323	17.1	62.78	7.32	3.8	3.8	9.59	16.14	-46.5			19.82			23071339-038A
TPZ-164	8/7/2023	13:03	1303	18.5	65.3	7.38	1103	1103	0.6	6.3	-48.6			3.72			23071339-039A
XPW01	8/3/2023	12:39	1239	17.6	63.68	6.75	816.2	816.2	0.53	5.24	47.9			11.16			23071339-040A
XPW05	8/3/2023	13:14	1314	18	64.4	7.17	948.8	948.8	0.48	5.92	-5.5			4.73			23071339-041A
XPW06	8/3/2023	13:39	1339	21.7	71.06	6.96	706.8	706.8	0.56	3.85	32.5			2.57			23071339-042A
																	23071339-043A
														9.84			23071339-044A
PZ-182 (resample)	8/15/2023	12:37	1237	15.2	59.36	6.45	1770.3	1770.3	0.47	9.45	26.8			18.99			23071339-045A

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-001A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-104DR	8/3/2023	15:34	1534	13.95		15.3	59.54	7.44	1292.3	1292.3	2.39	10.97	63.2	
MW-104DR	8/3/2023	15:37	1537	13.95		15.2	59.36	7.13	1237.5	1237.5	1.37	3.43	66.7	
MW-104DR	8/3/2023	15:40	1540	13.95		15.2	59.36	7.03	1235.8	1235.8	1.04	2.38	69.8	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-002A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-104SR	8/3/2023	15:49	1549	13.9		17.4	63.32	6.74	1467.2	1467.2	1.08	10.38	91.5	
MW-104SR	8/3/2023	15:52	1552	13.9		17.4	63.32	6.72	1420.4	1420.4	0.96	6.3	91.4	
MW-104SR	8/3/2023	15:55	1555	13.9		17.4	63.32	6.71	1435.8	1435.8	0.81	25.13	91.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023														
LIMS Workorder	23071339-003A														
Technician	BG, JC, TAC														
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	
MW-150	8/7/2023	11:19	1119	20.65		16.2	61.16	7.03	2774.9	2774.9	6.07	4.52	20.6		
MW-150	8/7/2023	11:22	1122	20.65		14.1	57.38	7.06	2613	2613	1.69	5.7	-75		
MW-150	8/7/2023	11:25	1125	20.65		14	57.2	7.05	2610.8	2610.8	1.65	3.14	-64.7		

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-004A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-151	8/7/2023	10:51	1051	8.07		15.2	59.36	6.9	1231.9	1231.9	1.4	9.85	161.1	
MW-151	8/7/2023	10:54	1054	8.07		16.2	61.16	6.76	1225.6	1225.6	1.01	9.35	163.4	
MW-151	8/7/2023	10:57	1057	8.07		16.3	61.34	6.76	1271.8	1271.8	2.23	69.3	165.6	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-005A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-152	8/4/2023	13:24	1324	8.19		15.2	59.36	6.96	2382.8	2382.8	2.02	420.4	99	
MW-152	8/4/2023	13:27	1327	8.19		15.1	59.18	6.95	2399.5	2399.5	2.12	223.78	101.2	
MW-152	8/4/2023	13:30	1330	8.19		15.1	59.18	6.95	2389.1	2389.1	2.23	134.13	103.1	
MW-152	8/4/2023	13:33	1333	8.19		15.1	59.18	6.94	2396.3	2396.3	2.23	93.12	104.9	
MW-152	8/4/2023	13:36	1336	8.19		15	59	6.93	2405.3	2405.3	2.18	67.37	106.6	
MW-152	8/4/2023	13:39	1339	8.19		15.1	59.18	6.93	2397.6	2397.6	2.19	49.27	108.1	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-006A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-153	8/4/2023	11:42	1142	16.19		14.9	58.82	7.74	847.3	847.3	2.06	10.85	81.5	
MW-153	8/4/2023	11:45	1145	16.19		14.8	58.64	7.39	791.7	791.7	2.13	5.13	85.1	
MW-153	8/4/2023	11:48	1148	16.19		14.9	58.82	7.19	781	781	2.21	3.4	88.8	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-007A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
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MW-154

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-008A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-155	8/7/2023	14:08	1408	19.95		17.1	62.78	7.37	1132.3	1132.3	7.4	5.71	85.2	
MW-155	8/7/2023	14:11	1411	19.95		14.6	58.28	7.13	1106.5	1106.5	1.42	30.88	88.3	
MW-155	8/7/2023	14:14	1414	19.95		14.7	58.46	7.09	1105.8	1105.8	0.97	10.69	87.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-009A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-192	8/4/2023	10:01	1001	8.42		17.8	64.04	6.62	903	903	0.46	313.2	-108.6	
MW-192	8/4/2023	10:04	1004	8.42		18.3	64.94	6.61	904	904	0.45	340.21	-106.3	
MW-192	8/4/2023	10:07	1007	8.42		18.6	65.48	6.61	905	905	0.46	184.99	-103.5	
MW-192	8/4/2023	10:10	1010	8.42		18.7	65.66	6.61	906	906	0.46	291.25	-101.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-010A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-193	8/4/2023	9:15	0915	8.99		17.5	63.5	6.49	1082	1082	0.8	5.99	-3.7	
MW-193	8/4/2023	9:18	0918	8.99		17.4	63.32	6.5	1082	1082	0.82	6.58	-9.5	
MW-193	8/4/2023	9:21	0921	8.99		17.4	63.32	6.5	1079	1079	0.91	4.91	-13.2	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-011A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-252	8/4/2023	14:05	1405	2.81		16.3	61.34	6.74	1960	1960	0.86	87.84	-45	
MW-252	8/4/2023	14:08	1408	2.81		16.9	62.42	6.71	1972	1972	0.89	93.57	-46.7	
MW-252	8/4/2023	14:12	1412	2.81		18.9	66.02	6.68	1940	1940	0.99	92.7	-51.3	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-012A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-253	8/4/2023	12:01	1201	16.15		16.5	61.7	10.99	1695.6	1695.6	3.3	9.66	79.2	
MW-253	8/4/2023	12:04	1204	16.15		15.1	59.18	11.22	979.2	979.2	0.84	12.46	71.9	
MW-253	8/4/2023	12:07	1207	16.15		15	59	11.28	937.5	937.5	0.65	8.03	68.2	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-013A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-304	8/3/2023	15:04	1504	9.84		16.8	62.24	8.21	2972.1	2972.1	2.99	3.59	74.5	
MW-304	8/3/2023	15:07	1507	9.84		16.2	61.16	7.98	3013.1	3013.1	0.98	2.53	76.9	
MW-304	8/3/2023	15:10	1510	9.84		16.2	61.16	7.92	3002	3002	0.69	2.84	77.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-014A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	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)	Purge Volume (gal)
MW-306	8/4/2023	11:04	1104	17.49		17.6	63.68	10.35	760.1	760.1	2.58	3.69	80	
MW-306	8/4/2023	11:07	1107	17.49		16.3	61.34	10.74	822.3	822.3	0.89	2.79	83.8	
MW-306	8/4/2023	11:10	1110	17.49		16.2	61.16	10.58	737.7	737.7	0.65	2.48	78.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-015A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-350	8/7/2023	11:38	1138	23.89		14.8	58.64	11.24	1237.2	1237.2	6.54	2.69	13.1	
MW-350	8/7/2023	11:41	1141	23.89		14	57.2	10.98	833.3	833.3	2.31	2.98	-15.5	
MW-350	8/7/2023	11:42	1142	23.89		14.1	57.38	11.06	895	895	2.37	2.84	-14.9	
MW-350	8/7/2023	11:45	1145	23.89		13.9	57.02	11.46	975.4	975.4	2.52	2.51	-9.9	
MW-350	8/7/2023	11:48	1148	23.89		13.9	57.02	11.52	1038.2	1038.2	2.55	2.32	-6.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-016A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-352	8/4/2023	12:51	1251	13.49		16.3	61.34	8.77	2632.8	2632.8	2.33	3.31	105.2	
MW-352	8/4/2023	12:54	1254	13.49		16.7	62.06	8.17	2656.5	2656.5	0.92	2.72	91.2	
MW-352	8/4/2023	12:57	1257	13.49		16.4	61.52	7.9	1355.3	1355.3	0.73	3.4	85.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-017A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-355	8/7/2023	13:57	1357	25.26		14.6	58.28	7.49	1084.6	1084.6	3.04	11.01	77.7	
MW-355	8/7/2023	14:00	1400	25.26		14.5	58.1	7.35	1076.9	1076.9	2.51	4.96	77	
MW-355	8/7/2023	14:03	1403	25.26		14.5	58.1	7.29	1076.6	1076.6	2.19	3.23	77.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-018A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-356	8/3/2023	13:16	1316	4.43		17.7	63.86	7.99	1426	1426	1.16	5.04	-52.4	
MW-356	8/3/2023	13:19	1319	4.43		17.7	63.86	7.9	1373	1373	1.04	2.95	-54.7	
MW-356	8/3/2023	13:22	1322	4.43		17.5	63.5	7.86	1326	1326	1.53	2.24	-55.8	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-019A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-358	8/7/2023	12:22	1222	31.1		16.9	62.42	8.16	7069.8	7069.8	1.63	24.43	67.3	
MW-358	8/7/2023	12:25	1225	31.1		16.6	61.88	8.06	7090.7	7090.7	1.42	17.42	24.9	
MW-358	8/7/2023	12:28	1228	31.1		16.2	61.16	8.02	6993.3	6993.3	1.38	13.27	-18.3	
MW-358	8/7/2023	12:31	1231	31.1		16.1	60.98	8	6937.6	6937.6	1.37	8.41	-42.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023													
LIMS Workorder	23071339-020A													
Technician	BG, JC, TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-366	8/4/2023	9:48	0948	18.26		15.4	59.72	6.91	2246.3	2246.3	0.83	12.38	92.2	
MW-366	8/4/2023	9:51	0951	18.26		15.4	59.72	6.84	2189.6	2189.6	0.66	7.47	93.7	
MW-366	8/4/2023	9:54	0954	18.26		15.4	59.72	6.87	2022	2022	0.61	6	92.5	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-021A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-369	8/3/2023	14:27	1427	14.56		15.9	60.62	7.18	3323	3323	1.22	8.04	7	
MW-369	8/3/2023	14:30	1430	14.56		15.8	60.44	8.02	3039	3039	0.74	13.23	-51.2	
MW-369	8/3/2023	14:33	1433	14.56		15.8	60.44	8.33	2620	2620	0.67	16.59	-76.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-022A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-370	8/3/2023	14:54	1454	9.5		16.5	61.7	7.84	6590	6590	1.64	3.39	-4	
MW-370	8/3/2023	14:57	1457	9.5		16.2	61.16	7.81	6696	6696	0.8	3.31	-11.5	
MW-370	8/3/2023	15:00	1500	9.5		16.1	60.98	7.79	6672	6672	0.68	3.32	-16.6	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-023A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-375	8/7/2023	10:13	1013	33.56		18.1	64.58	7.46	1419.2	1419.2	5.1	3.43	149.1	
MW-375	8/7/2023	10:16	1016	33.56		15.9	60.62	7.05	1424.1	1424.1	0.88	3.38	157.3	
MW-375	8/7/2023	10:19	1019	33.56		15.8	60.44	6.98	1410.8	1410.8	0.66	4.22	159.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-024A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-377	8/7/2023	9:51	0951	6.17		16.3	61.34	6.88	2007.4	2007.4	5.03	3.9	160.2	
MW-377	8/7/2023	9:54	0954	6.17		15.5	59.9	7.38	2220.7	2220.7	1.18	6.16	145.4	
MW-377	8/7/2023	9:57	0957	6.17		15.4	59.72	7.56	2129.8	2129.8	0.71	6.6	141.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-025A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-382	8/3/2023	15:49	1549	16.71		16	60.8	7.91	1904	1904	0.54	175.73	-31.6	
MW-382	8/3/2023	15:52	1552	16.71		16	60.8	7.9	1904	1904	0.52	174.32	-33.9	
MW-382	8/3/2023	15:55	1555	16.71		16	60.8	7.9	1907	1907	0.51	178.31	-36.1	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-026A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-383	8/3/2023	14:07	1407	19.92		20.2	68.36	7.47	1682.6	1682.6	2.59	3.61	56.8	
MW-383	8/3/2023	14:10	1410	19.92		19.1	66.38	7.55	1866.4	1866.4	0.83	3.75	35.4	
MW-383	8/3/2023	14:13	1413	19.92		19.1	66.38	7.56	1884.2	1884.2	0.61	4.94	28.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-027A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-384	8/3/2023	14:32	1432	15.1		18	64.4	7.88	2737.8	2737.8	3.7	5.31	52.1	
MW-384	8/3/2023	14:35	1435	15.1		17.4	63.32	8.02	3547.2	3547.2	1.06	7.42	56.7	
MW-384	8/3/2023	14:38	1438	15.1		17.5	63.5	8.09	3561.1	3561.1	0.7	6.97	54.3	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-028A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-390	8/4/2023	9:11	0911	8.89		17.3	63.14	7.26	3793.9	3793.9	0.74	17.28	87.9	
MW-390	8/4/2023	9:14	0914	8.89		17.3	63.14	7.23	2875.4	2875.4	0.62	14.86	78.2	
MW-390	8/4/2023	9:17	0917	8.89		17.3	63.14	7.17	2167.1	2167.1	0.59	21.4	72.8	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023														
LIMS Workorder	23071339-029A														
Technician	BG, JC, TAC														
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	
MW-391	8/4/2023	10:14	1014	65.43		17.5	63.5	7.7	3831.2	3831.2	7.75	9.44	131.4		
MW-391	8/4/2023	10:17	1017	65.43		16.6	61.88	7.86	4379.6	4379.6	1.61	12.41	126.1		
MW-391	8/4/2023	10:20	1020	65.43		16.4	61.52	7.83	4050.9	4050.9	1	7.61	121.7		

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-030A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-392	8/3/2023	12:12	1212	8.18		18.9	66.02	8.06	3984	3984	1.43	11.22	-116	
MW-392	8/3/2023	12:15	1215	8.18		18.3	64.94	7.94	4028	4028	0.91	10.98	-146.6	
MW-392	8/3/2023	12:18	1218	8.18		18.2	64.76	7.89	4021	4021	0.83	5.14	-161.6	
MW-392	8/3/2023	12:21	1221	8.18		18.2	64.76	7.86	4024	4024	0.81	3.25	-170.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-031A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-393	8/3/2023	11:37	1137	8.13		18.5	65.3	8.51	3868	3868	0.9	4.25	-272.6	
MW-393	8/3/2023	11:40	1140	8.13		18.1	64.58	8.4	4697	4697	0.61	2.65	-312.6	
MW-393	8/3/2023	11:43	1143	8.13		18	64.4	8.36	4705	4705	0.57	1.56	-324.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023													
LIMS Workorder	23071339-032A													
Technician	BG, JC, TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-394	8/3/2023	10:52	1052	7.45		18.2	64.76	8.12	4971	4971	0.7	9.4	-325.7	
MW-394	8/3/2023	10:55	1055	7.45		18.4	65.12	8.19	4836	4836	0.69	13.78	-330.7	
MW-394	8/3/2023	10:58	1058	7.45		17.5	63.5	8.21	4714	4714	0.55	23.54	-329.2	
MW-394	8/3/2023	11:01	1101	7.45		17.4	63.32	8.19	4666	4666	0.53	46.27	-327.7	
MW-394	8/3/2023	11:04	1104	7.45		17.4	63.32	8.1	3853	3853	0.52	24.19	-326	
MW-394	8/3/2023	11:07	1107	7.45		17.4	63.32	8	3659	3659	0.51	15.78	-323.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-033A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
OW-156	8/15/2023	11:28	1128	9.64		19.9	67.82	6.28	1375.9	1375.9	3.53	32.59	144.8	
OW-156	8/15/2023	11:30	1130	9.64		18.9	66.02	6.33	1371.4	1371.4	3.76	38.57	145.2	
OW-156	8/15/2023	11:31	1131	9.64		18.8	65.84	6.32	1366.3	1366.3	3.79	31.59	145	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-034A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
OW-157	8/15/2023	13:01	1301	8.33		17.6	63.68	6.38	6147.5	6147.5	3.11	18.27	82.2	
OW-157	8/15/2023	13:02	1302	8.33		16.8	62.24	6.31	6191.1	6191.1	2.67	22.85	68.1	
OW-157	8/15/2023	13:04	1304	8.33		16.5	61.7	6.24	6206.1	6206.1	2.65	55.37	55.6	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-035A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
OW-256	8/3/2023	13:58	1358	12.73		16.5	61.7	6.86	988	988	0.49	15.35	-40.7	
OW-256	8/3/2023	14:01	1401	12.73		17.3	63.14	6.85	991	991	0.52	12.69	-41.7	
OW-256	8/3/2023	14:04	1404	12.73		17	62.6	6.85	987	987	0.49	11.74	-42.8	
OW-256	8/3/2023	14:07	1407	12.73		17.1	62.78	6.83	987	987	0.47	6.21	-43.2	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-036A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
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OW-257



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-037A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
PZ-170	8/4/2023	11:10	1110	17.76		18	64.4	6.62	1913	1913	0.63	8.57	-143.2	
PZ-170	8/4/2023	11:13	1113	17.76		17.7	63.86	6.52	1998	1998	0.58	20.43	-141.9	
PZ-170	8/4/2023	11:16	1116	17.76		16.4	61.52	6.57	1948	1948	0.6	18.23	-156.3	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-038A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
PZ-182	8/4/2023	13:17	1317	19.82		15.7	60.26	7.02	5.1	5.1	9.64	16.51	-64	
PZ-182	8/4/2023	13:20	1320	19.82		16.4	61.52	7.23	4.1	4.1	9.68	16	-53.6	
PZ-182	8/4/2023	13:23	1323	19.82		17.1	62.78	7.32	3.8	3.8	9.59	16.14	-46.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-039A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
TPZ-164	8/7/2023	12:57	1257	3.72		18.8	65.84	7.49	1094.5	1094.5	0.78	10.61	-23.7	
TPZ-164	8/7/2023	13:00	1300	3.72		18.5	65.3	7.4	1101.4	1101.4	0.65	7.62	-39.1	
TPZ-164	8/7/2023	13:03	1303	3.72		18.5	65.3	7.38	1103	1103	0.6	6.3	-48.6	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-040A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW01	8/3/2023	12:33	1233	11.16		17.5	63.5	6.73	816.3	816.3	0.56	10.2	59.3	
XPW01	8/3/2023	12:36	1236	11.16		17.6	63.68	6.74	817.1	817.1	0.54	6.41	53.1	
XPW01	8/3/2023	12:39	1239	11.16		17.6	63.68	6.75	816.2	816.2	0.53	5.24	47.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-041A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW05	8/3/2023	13:08	1308	4.73		18.1	64.58	7.08	971.2	971.2	0.53	10.48	12.1	
XPW05	8/3/2023	13:11	1311	4.73		18.1	64.58	7.13	957.7	957.7	0.51	8.17	2	
XPW05	8/3/2023	13:14	1314	4.73		18	64.4	7.17	948.8	948.8	0.48	5.92	-5.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-042A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW06	8/3/2023	13:33	1333	2.57		19.5	67.1	6.95	1141.3	1141.3	1.94	9.93	33.1	
XPW06	8/3/2023	13:36	1336	2.57		20.9	69.62	6.97	716.5	716.5	0.69	5.07	31.6	
XPW06	8/3/2023	13:39	1339	2.57		21.7	71.06	6.96	706.8	706.8	0.56	3.85	32.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-043A
Technician	BG, JC, TAC
Well ID	Date
Field Blank	08/07/2023

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
1330	1330											

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-044A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW-304 DUP	8/3/2023	15:04	1504	9.84		16.8	62.24	8.21	2972.1	2972.1	2.99	3.59	74.5	
MW-304 DUP	8/3/2023	15:07	1507	9.84		16.2	61.16	7.98	3013.1	3013.1	0.98	2.53	76.9	
MW-304 DUP	8/3/2023	15:10	1510	9.84		16.2	61.16	7.92	3002	3002	0.69	2.84	77.5	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Baldwin 3Q 2023
LIMS Workorder	23071339-045A
Technician	BG, JC, TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
PZ-182 (resample)	8/15/2023	12:31	1231	18.99		15.1	59.18	6.45	1763.4	1763.4	0.47	4.41	32.7	
PZ-182 (resample)	8/15/2023	12:34	1234	18.99		15.1	59.18	6.45	1768	1768	0.47	3.87	34.6	
PZ-182 (resample)	8/15/2023	12:37	1237	18.99		15.2	59.36	6.45	1770.3	1770.3	0.47	9.45	26.8	

# Field Analysis Log

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOYTON ASHPOND  
BAT-845-601

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. °C	pH Results			Conductivity		Other:						
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	COLOR BLANK	Read1/units	COLORBLANK	Read2/units		
	8-3-23	1025	21.5		7.01			1415							
	8-3-23	1611	22.6		7.02			1435							

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( DR900 ) : \_\_\_\_\_ AIS \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	Lot #
pH in the Field SOP 1152	9040B	4500-H B	
Field Cond. SOP 1155	9050A	2510 B	
Other: _____			

pH 4.0 Buffer	_____	Conductivity Std.	_____
pH 7.0 Buffer	_____	Conductivity Std.	_____
pH 10.0 Buffer	_____	Conductivity Std.	_____
pH LCS/LCSD	_____	Conductivity LCS/LCSD	_____

Lot #	_____	PIPETTE	_____
_____	_____	Std.	_____
_____	_____	Std.	_____
_____	_____	Std.	_____
_____	_____	LCS/LCSD	_____

pH Calibration	Reading	_____
Date: 8-3-23	4.00	4.01
Time: 1005	7.00	6.98
	10.00	10.01

Conductivity Calibration	Reading	units	_____
_____	0-199.9	µS	_____
_____	0-1999	µS	1421
_____	0-19.99	mS	_____

Calibration	Reading	_____
Std	Units	_____
Std	Units	_____
Std	Units	_____

Field Analyst Sig & Date: AWA CR 8-3-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: AWA CR 8-3-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:

# Field Analysis Log

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3-2023  
BALDWIN, BOTTOM ASH POND  
BAL 845-601

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. c	pH Results			Conductivity		Other:					
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	COLOR BLANK	Read1/units	COLORBLANK	Read2/units	
	8-3-23	1008	23.4		7.02			1418						
	8-3-23	1611	22.8		7.02			1421						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_  
 SW846 Std Methods Lot #  
 Field Temp SOP 1156 2550 B pH 4.0 Buffer \_\_\_\_\_ Conductivity Std. \_\_\_\_\_ Std. \_\_\_\_\_  
 pH in the Field SOP 1152 9040B 4500-H B pH 7.0 Buffer \_\_\_\_\_ Conductivity Std. \_\_\_\_\_ Std. \_\_\_\_\_  
 Field Cond. SOP 1155 9050A 2510 B pH 10.0 Buffer \_\_\_\_\_ Conductivity Std. \_\_\_\_\_ Std. \_\_\_\_\_  
 Other: \_\_\_\_\_ pH LCS/LCSD \_\_\_\_\_ Conductivity LCS/LCSD \_\_\_\_\_ LCS/LCSD \_\_\_\_\_

pH Calibration Reading 4.00 3.99  
 Date: 8-3-23 7.00 7.01  
 Time: 1005 10.00 10.01

Conductivity Calibration Reading units  
 \_\_\_\_\_ μS 0-199.9 \_\_\_\_\_ μS  
 \_\_\_\_\_ μS 0-1999 1415 μS  
 \_\_\_\_\_ mS 0-19.99 \_\_\_\_\_ mS

Field Analyst Sig & Date: [Signature] 8-3-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:

# Field Analysis Log

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
BALDWIN, BOONE, WASHINGTON  
BAL 845-R01

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:				
				Reading 1	Reading 2	LCS/D	Range Factor	Reading 1	Reading 2	COLOR BLANK	Read1/units	COLORBLANK	Read2/units	
	8-4-23	0851	22.3		7.01			1428						
	8-4-23	1434			7.02			1432						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( DR900 ) : \_\_\_\_\_ A15

Field Temp SOP 1156	SW846	Std Methods	Lot #	Conductivity Std.	Lot #	PIPETTE
pH in the Field SOP 1152	9040B	4500-H B	_____	Conductivity Std.	_____	_____
Field Cond. SOP 1155	9050A	2510 B	_____	Conductivity Std.	_____	_____
Other: _____		pH 4.0 Buffer	_____	Conductivity Std.	_____	_____
		pH 7.0 Buffer	_____	Conductivity Std.	_____	_____
		pH 10.0 Buffer	_____	Conductivity Std.	_____	_____
		pH LCS/LCSD _____	_____	Conductivity LCS/LCSD _____	_____	_____

pH Calibration  
Date: 8-4-23  
Time: 0852

Reading	4.00	4.01
	7.00	7.00
	10.00	10.00

Conductivity Calibration

Reading	units
_____	µS
_____	µS
_____	mS

Calibration Reading

Std	Units	_____
Std	Units	_____
Std	Units	_____

Field Analyst Sig & Date: [Signature] 8-4-23  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: [Signature] 8-4-23  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

### Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. °C	pH Results			Conductivity			Other:				
				Reading 1	Reading 2	LCS/D	Range Factor	Reading 1	Reading 2	COLOR BLANK	Read1/units	COLORBLANK	Read2/units	
	8-4-23	8:56	22.9	7.02	7.03			1412						
	8-4-23	14:37	23.4	7.03	7.01			1418						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( DR900 ) : \_\_\_\_\_ A15 \_\_\_\_\_ PIPETTE

Field Temp SOP 1156	SW846	Std Methods	Lot #
pH in the Field SOP 1152	9040B	4500-H B	
Field Cond. SOP 1155	9050A	2510 B	
Other: _____			
		pH 4.0 Buffer	_____
		pH 7.0 Buffer	_____
		pH 10.0 Buffer	_____
		pH LCS/LCSD	_____

Conductivity Std.	_____	Std.	_____
Conductivity Std.	_____	Std.	_____
Conductivity Std.	_____	Std.	_____
Conductivity LCS/LCSD	_____	LCS/LCSD	_____

pH Calibration	Reading	_____
Date: 8-4-23	4.00	4.03
Time: 8:10	7.00	7.01
	10.00	10.00

Conductivity Calibration	Reading	units
_____	0-199.9	µS
_____	0-1999	µS
_____	0-19.99	mS

_____	Calibration	Reading
Std	Units	_____
Std	Units	_____
Std	Units	_____

Field Analyst Sig & Date: [Signature] 8-4-23  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: [Signature] 8-4-23  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

# Field Analysis Log

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3-2023  
BALDWIN, BOTTOM TOSH POND  
BAL 845-801  
08071339

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. °C	pH Results			Conductivity		Other:					
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	COLOR BLANK	Read1/units	COLORBLANK	Read2/units	
	8-7-23	0927	22.8		7.01			1422						
	8-7-23	1456	23.2		7.01			1415						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( DR900 ) : \_\_\_\_\_ AI5 \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	Lot #	Conductivity Std.	Lot #	PIPETTE
pH in the Field SOP 1152	9040B	2550 B	_____	_____	_____	_____
Field Cond. SOP 1155	9050A	4500-H B	_____	_____	_____	_____
Other: _____		2510 B	_____	_____	_____	_____
		pH 4.0 Buffer	_____	_____	_____	_____
		pH 7.0 Buffer	_____	_____	_____	_____
		pH 10.0 Buffer	_____	_____	_____	_____
		pH LCS/LCSD	_____	_____	_____	_____

pH Calibration	Reading	Conductivity Calibration	Reading	units	Calibration	Reading
Date: 8-7-23	4.00	µS	0-199.9	µS	Std	Units
Time: 0908	7.00	µS	0-1999	µS	Std	Units
	10.00	mS	0-19.99	mS	Std	Units

Field Analyst Sig & Date: Musa A 8-7-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: Musa A 8-7-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:

# Field Analysis Log

'250 11334  
ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			BALDWIN BOTTOM ASH POND				
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	Other: COLOR BLANK	Read1/units	COLOR BLANK	Read2/units	
LCS	8/15/23	11:20	23.2	7.10				1412						
CCV	8/15/23	14:00	21.8	7.09				1380						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : Pine 4/L81d1

\*\*\*\* Field Meter ID for ( DR900 ): A15

Field Temp SOP 1156	SW846	Std Methods	Lot #	Conductivity Std.	Lot #	PIPETTE
pH in the Field SOP 1152	9040B	4500-H B	Lot #	Conductivity Std.		
Field Cond. SOP 1155	9050A	2510 B	Lot #	Conductivity Std.		
Other _____			Lot #	Conductivity LCS/LCSD		

pH Calibration		Conductivity Calibration		Calibration	
Reading		Reading	units	Reading	units
4.00	4.00	1412	µS	1412	µS
7.00	7.01		0-1999		0-1999
10.00	10.04		mS		mS

Field Analyst Sig & Date: [Signature]  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: [Signature]  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_  
Reviewed By & Date: \_\_\_\_\_

Comments:

**ATTACHMENT C  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND  
QUARTER 3, 2023**



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E002	Antimony, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.001	0.00230
MW-192	UU	E002	Arsenic, total	mg/L	10/27/22 - 08/04/23	9	22	CI around geomean	0.0016	0.0104
MW-192	UU	E002	Barium, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.0878	0.261
MW-192	UU	E002	Beryllium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.0005
MW-192	UU	E002	Boron, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.0263	2.16
MW-192	UU	E002	Cadmium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.002
MW-192	UU	E002	Chloride, total	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	15.8	1,370
MW-192	UU	E002	Chromium, total	mg/L	10/27/22 - 08/04/23	9	89	CI around median	0.0015	0.0125
MW-192	UU	E002	Cobalt, total	mg/L	10/27/22 - 08/04/23	9	33	CI around mean	0.000988	0.00220
MW-192	UU	E002	Fluoride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.407	3.84
MW-192	UU	E002	Lead, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.001	0.00220
MW-192	UU	E002	Lithium, total	mg/L	10/27/22 - 08/04/23	9	11	CB around linear reg	-0.0254	0.140
MW-192	UU	E002	Mercury, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.0002	0.0002
MW-192	UU	E002	Molybdenum, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.00191	0.0782
MW-192	UU	E002	pH (field)	SU	10/27/22 - 08/04/23	9	0	CI around mean	6.7/7.0	7.5/11.1
MW-192	UU	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/04/23	9	0	CI around mean	0.26	3.76
MW-192	UU	E002	Selenium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.00320
MW-192	UU	E002	Sulfate, total	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	1.99	762
MW-192	UU	E002	Thallium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.002	0.002
MW-192	UU	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/04/23	9	0	CB around linear reg	140	3,260
MW-193	UU	E002	Antimony, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.00230
MW-193	UU	E002	Arsenic, total	mg/L	10/27/22 - 08/04/23	9	11	CI around mean	0.00125	0.0104
MW-193	UU	E002	Barium, total	mg/L	10/27/22 - 08/04/23	9	0	CI around geomean	0.0719	0.261
MW-193	UU	E002	Beryllium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.0005
MW-193	UU	E002	Boron, total	mg/L	10/27/22 - 08/04/23	9	11	CI around mean	0.0318	2.16
MW-193	UU	E002	Cadmium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.002
MW-193	UU	E002	Chloride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	34.8	1,370

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E002	Chromium, total	mg/L	10/27/22 - 08/04/23	9	78	CI around median	0.0015	0.0125
MW-193	UU	E002	Cobalt, total	mg/L	10/27/22 - 08/04/23	9	89	Most recent sample	0.001	0.00220
MW-193	UU	E002	Fluoride, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	0.241	3.84
MW-193	UU	E002	Lead, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.00220
MW-193	UU	E002	Lithium, total	mg/L	10/27/22 - 08/04/23	9	22	CI around mean	0.00458	0.140
MW-193	UU	E002	Mercury, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.0002	0.0002
MW-193	UU	E002	Molybdenum, total	mg/L	10/27/22 - 08/04/23	9	67	CI around median	0.0015	0.0782
MW-193	UU	E002	pH (field)	SU	10/27/22 - 08/04/23	9	0	CI around mean	6.6/7.2	7.5/11.1
MW-193	UU	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/04/23	9	0	CI around mean	0.413	3.76
MW-193	UU	E002	Selenium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.001	0.00320
MW-193	UU	E002	Sulfate, total	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	151	762
MW-193	UU	E002	Thallium, total	mg/L	10/27/22 - 08/04/23	9	100	All ND - Last	0.002	0.002
MW-193	UU	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/04/23	9	0	CI around mean	531	3,260
MW-356	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	24	92	CI around median	0.001	0.00230
MW-356	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	27	82	CI around median	0.001	0.0104
MW-356	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around median	0.0297	0.261
MW-356	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.0005
MW-356	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	28	0	CI around median	1.94	2.16
MW-356	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.002
MW-356	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	28.1	1,370
MW-356	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	26	100	All ND - Last	0.0015	0.0125
MW-356	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	25	100	All ND - Last	0.001	0.00220
MW-356	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	1.95	3.84
MW-356	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	25	96	CI around median	0.001	0.00220
MW-356	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.0524	0.140
MW-356	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.0002	0.0002
MW-356	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	27	59	CI around median	0.0015	0.0782

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E002	pH (field)	SU	12/29/15 - 08/03/23	28	0	CI around median	7.7/7.8	7.5/11.1
MW-356	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	27	0	CI around median	0.1	3.76
MW-356	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	24	100	All ND - Last	0.001	0.00320
MW-356	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	28	0	CI around mean	44.4	762
MW-356	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.002	0.002
MW-356	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	27	0	CI around mean	658	3,260
MW-369	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	18	78	CB around T-S line	-0.00132	0.00230
MW-369	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	21	14	CI around geomean	0.00138	0.0104
MW-369	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	21	0	CB around T-S line	0.0794	0.261
MW-369	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.0005
MW-369	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	-0.189	2.16
MW-369	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.002
MW-369	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around geomean	82	1,370
MW-369	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	20	90	CB around T-S line	0.00135	0.0125
MW-369	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	19	84	CI around median	0.001	0.00220
MW-369	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	22	0	CB around T-S line	-1.2	3.84
MW-369	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	19	95	CI around median	0.001	0.00220
MW-369	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	21	5	CI around mean	0.0206	0.140
MW-369	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.0002	0.0002
MW-369	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	21	5	CB around T-S line	-0.00682	0.0782
MW-369	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	22	0	CI around mean	7.3/8.1	7.5/11.1
MW-369	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	21	0	CI around mean	0.399	3.76
MW-369	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	18	61	CB around T-S line	-0.0221	0.00320
MW-369	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	22	0	CB around T-S line	-107	762
MW-369	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.002	0.002
MW-369	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	22	0	CI around median	720	3,260
MW-370	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	24	75	CB around T-S line	-0.000263	0.00230

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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-370	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	27	56	CB around T-S line	0.000178	0.0104
MW-370	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	27	0	CB around T-S line	0.0261	0.261
MW-370	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.0005
MW-370	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	28	0	CI around median	1.77	2.16
MW-370	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.001	0.002
MW-370	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	1,370	1,370
MW-370	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	26	96	CB around T-S line	0.00143	0.0125
MW-370	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	25	96	CI around median	0.001	0.00220
MW-370	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	2.98	3.84
MW-370	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	25	100	All ND - Last	0.001	0.00220
MW-370	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.129	0.140
MW-370	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.0002	0.0002
MW-370	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	27	4	CB around linear reg	0.00585	0.0782
MW-370	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	28	0	CB around linear reg	7.3/7.6	7.5/11.1
MW-370	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	27	0	CI around geomean	0.527	3.76
MW-370	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	24	96	Most recent sample	0.001	0.00320
MW-370	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	28	0	CI around mean	248	762
MW-370	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	22	100	All ND - Last	0.002	0.002
MW-370	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	28	0	CB around linear reg	2,930	3,260
MW-382	UA	E002	Antimony, total	mg/L	12/29/15 - 08/03/23	18	100	All ND - Last	0.001	0.00230
MW-382	UA	E002	Arsenic, total	mg/L	12/29/15 - 08/03/23	21	24	CI around median	0.0012	0.0104
MW-382	UA	E002	Barium, total	mg/L	12/29/15 - 08/03/23	21	0	CI around mean	0.0176	0.261
MW-382	UA	E002	Beryllium, total	mg/L	12/29/15 - 08/03/23	16	94	CI around median	0.001	0.0005
MW-382	UA	E002	Boron, total	mg/L	12/29/15 - 08/03/23	22	0	CI around median	1.71	2.16
MW-382	UA	E002	Cadmium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.001	0.002
MW-382	UA	E002	Chloride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around mean	34.3	1,370
MW-382	UA	E002	Chromium, total	mg/L	12/29/15 - 08/03/23	20	10	CB around linear reg	0.00687	0.0125

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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-382	UA	E002	Cobalt, total	mg/L	12/29/15 - 08/03/23	19	68	CB around T-S line	0.001	0.00220
MW-382	UA	E002	Fluoride, total	mg/L	12/29/15 - 08/03/23	22	0	CI around geomean	2.78	3.84
MW-382	UA	E002	Lead, total	mg/L	12/29/15 - 08/03/23	19	63	CB around T-S line	0.001	0.00220
MW-382	UA	E002	Lithium, total	mg/L	12/29/15 - 08/03/23	21	0	CI around mean	0.0578	0.140
MW-382	UA	E002	Mercury, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.0002	0.0002
MW-382	UA	E002	Molybdenum, total	mg/L	12/29/15 - 08/03/23	21	19	CB around T-S line	0.00221	0.0782
MW-382	UA	E002	pH (field)	SU	12/29/15 - 08/03/23	22	0	CI around mean	7.7/7.9	7.5/11.1
MW-382	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 08/03/23	21	0	CI around geomean	0.308	3.76
MW-382	UA	E002	Selenium, total	mg/L	12/29/15 - 08/03/23	18	100	All ND - Last	0.001	0.00320
MW-382	UA	E002	Sulfate, total	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	344	762
MW-382	UA	E002	Thallium, total	mg/L	12/29/15 - 08/03/23	16	100	All ND - Last	0.002	0.002
MW-382	UA	E002	Total Dissolved Solids	mg/L	12/29/15 - 08/03/23	22	0	CB around linear reg	1,030	3,260
MW-392	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	78	CI around median	0.001	0.00230
MW-392	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.001	0.0104
MW-392	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0355	0.261
MW-392	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.0005
MW-392	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1.61	2.16
MW-392	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.002
MW-392	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around median	648	1,370
MW-392	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.0125
MW-392	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.00220
MW-392	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	3.65	3.84
MW-392	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.00220
MW-392	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0532	0.140
MW-392	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.0002
MW-392	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.0782
MW-392	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	0	CI around mean	7.4/7.9	7.5/11.1

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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-392	UA	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.322	3.76
MW-392	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.00320
MW-392	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	47.2	762
MW-392	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002
MW-392	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1,460	3,260
MW-393	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	78	CI around median	0.001	0.00230
MW-393	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.0104
MW-393	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	0.023	0.261
MW-393	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.0005
MW-393	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around geomean	1.54	2.16
MW-393	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.002
MW-393	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	480	1,370
MW-393	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.0015	0.0125
MW-393	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	89	CI around median	0.001	0.00220
MW-393	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	6.17	3.84
MW-393	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.00220
MW-393	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0529	0.140
MW-393	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.0002
MW-393	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	44	CI around mean	-2.82e-05	0.0782
MW-393	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	0	CI around mean	7.8/8.4	7.5/11.1
MW-393	UA	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.165	3.76
MW-393	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.00320
MW-393	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	61.3	762
MW-393	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002
MW-393	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around median	1,870	3,260
MW-394	UA	E002	Antimony, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.001	0.00230
MW-394	UA	E002	Arsenic, total	mg/L	10/27/22 - 08/03/23	9	33	CI around median	0.001	0.0104

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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-394	UA	E002	Barium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0271	0.261
MW-394	UA	E002	Beryllium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.0005
MW-394	UA	E002	Boron, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1.49	2.16
MW-394	UA	E002	Cadmium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.001	0.002
MW-394	UA	E002	Chloride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	438	1,370
MW-394	UA	E002	Chromium, total	mg/L	10/27/22 - 08/03/23	9	56	CI around median	0.0015	0.0125
MW-394	UA	E002	Cobalt, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.00220
MW-394	UA	E002	Fluoride, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	2.99	3.84
MW-394	UA	E002	Lead, total	mg/L	10/27/22 - 08/03/23	9	67	CI around median	0.001	0.00220
MW-394	UA	E002	Lithium, total	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	0.0441	0.140
MW-394	UA	E002	Mercury, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.0002	0.0002
MW-394	UA	E002	Molybdenum, total	mg/L	10/27/22 - 08/03/23	9	11	CI around mean	0.00514	0.0782
MW-394	UA	E002	pH (field)	SU	10/27/22 - 08/03/23	9	0	CI around mean	7.6/8.0	7.5/11.1
MW-394	UA	E002	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 08/03/23	9	0	CI around mean	0.358	3.76
MW-394	UA	E002	Selenium, total	mg/L	10/27/22 - 08/03/23	9	89	Most recent sample	0.001	0.00320
MW-394	UA	E002	Sulfate, total	mg/L	10/27/22 - 08/03/23	9	0	CB around linear reg	45.3	762
MW-394	UA	E002	Thallium, total	mg/L	10/27/22 - 08/03/23	9	100	All ND - Last	0.002	0.002
MW-394	UA	E002	Total Dissolved Solids	mg/L	10/27/22 - 08/03/23	9	0	CI around mean	1,670	3,260
OW-256	PMP	E002	Antimony, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.00230
OW-256	PMP	E002	Arsenic, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0013	0.0104
OW-256	PMP	E002	Barium, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.0915	0.261
OW-256	PMP	E002	Beryllium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.0005
OW-256	PMP	E002	Boron, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.187	2.16
OW-256	PMP	E002	Cadmium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.002
OW-256	PMP	E002	Chloride, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	55	1,370
OW-256	PMP	E002	Chromium, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.002	0.0125
OW-256	PMP	E002	Cobalt, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0011	0.00220

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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
OW-256	PMP	E002	Fluoride, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.25	3.84
OW-256	PMP	E002	Lead, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.0023	0.00220
OW-256	PMP	E002	Lithium, total	mg/L	03/14/23 - 08/03/23	3	33	Most recent sample	0.0082	0.140
OW-256	PMP	E002	Mercury, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E002	Molybdenum, total	mg/L	03/14/23 - 08/03/23	3	67	Most recent sample	0.0016	0.0782
OW-256	PMP	E002	pH (field)	SU	03/14/23 - 08/03/23	3	0	Most recent sample	6.8/6.8	7.5/11.1
OW-256	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/03/23	3	0	Most recent sample	0.66	3.76
OW-256	PMP	E002	Selenium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.001	0.00320
OW-256	PMP	E002	Sulfate, total	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	69	762
OW-256	PMP	E002	Thallium, total	mg/L	03/14/23 - 08/03/23	3	100	All ND - Last	0.002	0.002
OW-256	PMP	E002	Total Dissolved Solids	mg/L	03/14/23 - 08/03/23	3	0	Most recent sample	478	3,260
PZ-170	PMP	E002	pH (field)	SU	03/14/23 - 08/04/23	3	0	Most recent sample	6.6/6.6	7.5/11.1
PZ-170	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/04/23	3	0	Most recent sample	1.16	3.76
PZ-182	PMP	E002	Antimony, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E002	Arsenic, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.0104
PZ-182	PMP	E002	Barium, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.0712	0.261
PZ-182	PMP	E002	Beryllium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.0005
PZ-182	PMP	E002	Boron, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.476	2.16
PZ-182	PMP	E002	Cadmium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.002
PZ-182	PMP	E002	Chloride, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	40	1,370
PZ-182	PMP	E002	Chromium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E002	Cobalt, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.00220
PZ-182	PMP	E002	Fluoride, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.16	3.84
PZ-182	PMP	E002	Lead, total	mg/L	03/14/23 - 08/15/23	3	67	Most recent sample	0.001	0.00220
PZ-182	PMP	E002	Lithium, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	0.0155	0.140
PZ-182	PMP	E002	Mercury, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E002	Molybdenum, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.0015	0.0782



**ATTACHMENT C.  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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-182	PMP	E002	pH (field)	SU	03/14/23 - 08/15/23	3	0	Most recent sample	6.4/6.4	7.5/11.1
PZ-182	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 08/15/23	3	0	Most recent sample	1.4	3.76
PZ-182	PMP	E002	Selenium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E002	Sulfate, total	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	172	762
PZ-182	PMP	E002	Thallium, total	mg/L	03/14/23 - 08/15/23	3	100	All ND - Last	0.002	0.002
PZ-182	PMP	E002	Total Dissolved Solids	mg/L	03/14/23 - 08/15/23	3	0	Most recent sample	772	3,260

**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

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