



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

October 2, 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: Vermilion Power Plant North Ash Pond (NAP) and Old East Ash Pond (OEAP); IEPA ID # W1838000002-01 and W1838000002-03**

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 2, 2023 sampling event at the Vermilion Power Plant North Ash Pond and Old East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1838000002-01 and W1838000002-03. 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 GWPS 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 alternate 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 that reads 'Dianna Tickner'.

**Dianna Tickner, PE, PMP**  
**Senior Director, Demolition and Decommission**

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2023, NAP and OEAP, Vermilion Power Plant, Oakwood, Illinois*

**35 I.A.C. § 845.610(B)(3)(D)  
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES  
QUARTER 2, 2023  
NORTH ASH POND (NAP) AND OLD EAST ASH POND (OEAP), VERMILION  
POWER PLANT, OAKWOOD, ILLINOIS**

October 2, 2023

Samples were collected on June 20 and 21, 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 (*i.e.*, all lab reports including radium) were received on August 3, 2023.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2 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 2 2023 sampling event. Samples were not able to be collected from wells 101 and 103 during this event due to very low observed water levels. The wells will be revisited during the Quarter 3 2023 sampling event to obtain samples.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan<sup>1</sup> provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2 2023 groundwater monitoring data were evaluated for statistically significant levels (SSLs) 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 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 2, 2023
- Table 2            Comparison of Statistical Results to GWPS - Quarter 2, 2023

**FIGURES**

- Figure 1            35 I.A.C. § 845 Groundwater Monitoring Well Network

**ATTACHMENTS**

- Attachment A    Groundwater Elevation Data - Quarter 2, 2023
- Attachment B    Laboratory Reports and Field Data Sheets - Quarter 2, 2023
- Attachment C    Comparison of Statistical Results to Background - Quarter 2, 2023

<sup>1</sup> Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. North Ash Pond and Old East Ash Pond. Vermilion Power Plant. Oakwood, Illinois. October 25, 2021.*

## **TABLES**

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
21	Background	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
21	Background	E001	06/20/2023	Arsenic, total	0.0625	mg/L
21	Background	E001	06/20/2023	Barium, total	0.118	mg/L
21	Background	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
21	Background	E001	06/20/2023	Boron, total	0.859	mg/L
21	Background	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
21	Background	E001	06/20/2023	Calcium, total	63.2	mg/L
21	Background	E001	06/20/2023	Chloride, total	2.00	mg/L
21	Background	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
21	Background	E001	06/20/2023	Cobalt, total	0.0001 U	mg/L
21	Background	E001	06/20/2023	Dissolved Oxygen	1.04	mg/L
21	Background	E001	06/20/2023	Fluoride, total	1.16	mg/L
21	Background	E001	06/20/2023	Lead, total	0.004 U	mg/L
21	Background	E001	06/20/2023	Lithium, total	0.0022 J	mg/L
21	Background	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
21	Background	E001	06/20/2023	Molybdenum, total	0.0038 J	mg/L
21	Background	E001	06/20/2023	Oxidation Reduction Potential	-67.0	mV
21	Background	E001	06/20/2023	pH (field)	7.0	SU
21	Background	E001	06/20/2023	Radium 226 + Radium 228, total	0.465 <0	pCi/L
21	Background	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
21	Background	E001	06/20/2023	Specific Conductance @ 25C (field)	715	micromhos/cm
21	Background	E001	06/20/2023	Sulfate, total	14.0 J+	mg/L
21	Background	E001	06/20/2023	Temperature	13.1	degrees C
21	Background	E001	06/20/2023	Thallium, total	0.001 U	mg/L
21	Background	E001	06/20/2023	Total Dissolved Solids	375	mg/L
21	Background	E001	06/20/2023	Turbidity, field	6.20	NTU
42	Background	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
42	Background	E001	06/20/2023	Arsenic, total	0.0277	mg/L
42	Background	E001	06/20/2023	Barium, total	0.142	mg/L
42	Background	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
42	Background	E001	06/20/2023	Boron, total	0.808	mg/L
42	Background	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
42	Background	E001	06/20/2023	Calcium, total	111	mg/L
42	Background	E001	06/20/2023	Chloride, total	14.0	mg/L
42	Background	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
42	Background	E001	06/20/2023	Cobalt, total	0.0002 J	mg/L
42	Background	E001	06/20/2023	Dissolved Oxygen	0.660	mg/L
42	Background	E001	06/20/2023	Fluoride, total	0.540	mg/L
42	Background	E001	06/20/2023	Lead, total	0.004 U	mg/L
42	Background	E001	06/20/2023	Lithium, total	0.00460	mg/L
42	Background	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
42	Background	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
42	Background	E001	06/20/2023	Oxidation Reduction Potential	-122	mV
42	Background	E001	06/20/2023	pH (field)	7.3	SU
42	Background	E001	06/20/2023	Radium 226 + Radium 228, total	0.501 J+	pCi/L
42	Background	E001	06/20/2023	Selenium, total	0.0006 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
42	Background	E001	06/20/2023	Specific Conductance @ 25C (field)	1,060	micromhos/cm
42	Background	E001	06/20/2023	Sulfate, total	127	mg/L
42	Background	E001	06/20/2023	Temperature	11.9	degrees C
42	Background	E001	06/20/2023	Thallium, total	0.001 U	mg/L
42	Background	E001	06/20/2023	Total Dissolved Solids	595	mg/L
42	Background	E001	06/20/2023	Turbidity, field	8.60	NTU
43	Background	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
43	Background	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
43	Background	E001	06/20/2023	Barium, total	0.470	mg/L
43	Background	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
43	Background	E001	06/20/2023	Boron, total	1.13	mg/L
43	Background	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
43	Background	E001	06/20/2023	Calcium, total	72.8	mg/L
43	Background	E001	06/20/2023	Chloride, total	73.0	mg/L
43	Background	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
43	Background	E001	06/20/2023	Cobalt, total	0.0001 J	mg/L
43	Background	E001	06/20/2023	Dissolved Oxygen	0.400	mg/L
43	Background	E001	06/20/2023	Fluoride, total	0.530	mg/L
43	Background	E001	06/20/2023	Lead, total	0.004 U	mg/L
43	Background	E001	06/20/2023	Lithium, total	0.00860	mg/L
43	Background	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
43	Background	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
43	Background	E001	06/20/2023	Oxidation Reduction Potential	-124	mV
43	Background	E001	06/20/2023	pH (field)	7.2	SU
43	Background	E001	06/20/2023	Radium 226 + Radium 228, total	0.631 J+	pCi/L
43	Background	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
43	Background	E001	06/20/2023	Specific Conductance @ 25C (field)	1,120	micromhos/cm
43	Background	E001	06/20/2023	Sulfate, total	11.0 J+	mg/L
43	Background	E001	06/20/2023	Temperature	13.1	degrees C
43	Background	E001	06/20/2023	Thallium, total	0.001 U	mg/L
43	Background	E001	06/20/2023	Total Dissolved Solids	505	mg/L
43	Background	E001	06/20/2023	Turbidity, field	6.80	NTU
101	Background	E001	06/20/2023	Dissolved Oxygen	6.59	mg/L
101	Background	E001	06/20/2023	Oxidation Reduction Potential	19.0	mV
101	Background	E001	06/20/2023	pH (field)	7.1	SU
101	Background	E001	06/20/2023	Specific Conductance @ 25C (field)	848	micromhos/cm
101	Background	E001	06/20/2023	Temperature	21.9	degrees C
101	Background	E001	06/20/2023	Turbidity, field	2.60	NTU
02	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
02	Compliance	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
02	Compliance	E001	06/20/2023	Barium, total	0.182	mg/L
02	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
02	Compliance	E001	06/20/2023	Boron, total	0.295	mg/L
02	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
02	Compliance	E001	06/20/2023	Calcium, total	85.5	mg/L
02	Compliance	E001	06/20/2023	Chloride, total	42.0	mg/L

**TABLE 1.**  
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845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
02	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
02	Compliance	E001	06/20/2023	Cobalt, total	0.0001 U	mg/L
02	Compliance	E001	06/20/2023	Dissolved Oxygen	0.850	mg/L
02	Compliance	E001	06/20/2023	Fluoride, total	0.570	mg/L
02	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
02	Compliance	E001	06/20/2023	Lithium, total	0.00370	mg/L
02	Compliance	E001	06/20/2023	Mercury, total	0.00006 J	mg/L
02	Compliance	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
02	Compliance	E001	06/20/2023	Oxidation Reduction Potential	-64.0	mV
02	Compliance	E001	06/20/2023	pH (field)	7.8	SU
02	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	0.685 <0	pCi/L
02	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
02	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	945	micromhos/cm
02	Compliance	E001	06/20/2023	Sulfate, total	24.0 J+	mg/L
02	Compliance	E001	06/20/2023	Temperature	13.6	degrees C
02	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
02	Compliance	E001	06/20/2023	Total Dissolved Solids	504	mg/L
02	Compliance	E001	06/20/2023	Turbidity, field	3.80	NTU
03R	Compliance	E001	06/21/2023	Antimony, total	0.0006 J	mg/L
03R	Compliance	E001	06/21/2023	Arsenic, total	0.0161	mg/L
03R	Compliance	E001	06/21/2023	Barium, total	0.319	mg/L
03R	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L
03R	Compliance	E001	06/21/2023	Boron, total	26.7	mg/L
03R	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
03R	Compliance	E001	06/21/2023	Calcium, total	168	mg/L
03R	Compliance	E001	06/21/2023	Chloride, total	27.0	mg/L
03R	Compliance	E001	06/21/2023	Chromium, total	0.0046 J	mg/L
03R	Compliance	E001	06/21/2023	Cobalt, total	0.00120	mg/L
03R	Compliance	E001	06/21/2023	Dissolved Oxygen	0.700	mg/L
03R	Compliance	E001	06/21/2023	Fluoride, total	0.460	mg/L
03R	Compliance	E001	06/21/2023	Lead, total	0.004 U	mg/L
03R	Compliance	E001	06/21/2023	Lithium, total	0.00370	mg/L
03R	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
03R	Compliance	E001	06/21/2023	Molybdenum, total	0.322	mg/L
03R	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-30.0	mV
03R	Compliance	E001	06/21/2023	pH (field)	7.1	SU
03R	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	1.19 J+	pCi/L
03R	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
03R	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	1,620	micromhos/cm
03R	Compliance	E001	06/21/2023	Sulfate, total	552	mg/L
03R	Compliance	E001	06/21/2023	Temperature	13.2	degrees C
03R	Compliance	E001	06/21/2023	Thallium, total	0.001 U	mg/L
03R	Compliance	E001	06/21/2023	Total Dissolved Solids	1,080	mg/L
03R	Compliance	E001	06/21/2023	Turbidity, field	34.0	NTU
04	Compliance	E001	06/21/2023	Antimony, total	0.0004 U	mg/L
04	Compliance	E001	06/21/2023	Arsenic, total	0.0109	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
04	Compliance	E001	06/21/2023	Barium, total	0.270	mg/L
04	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L
04	Compliance	E001	06/21/2023	Boron, total	10.3	mg/L
04	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
04	Compliance	E001	06/21/2023	Calcium, total	76.3	mg/L
04	Compliance	E001	06/21/2023	Chloride, total	12.0	mg/L
04	Compliance	E001	06/21/2023	Chromium, total	0.0028 U	mg/L
04	Compliance	E001	06/21/2023	Cobalt, total	0.0009 J	mg/L
04	Compliance	E001	06/21/2023	Dissolved Oxygen	0.620	mg/L
04	Compliance	E001	06/21/2023	Fluoride, total	0.330	mg/L
04	Compliance	E001	06/21/2023	Lead, total	0.004 U	mg/L
04	Compliance	E001	06/21/2023	Lithium, total	0.0498	mg/L
04	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
04	Compliance	E001	06/21/2023	Molybdenum, total	0.0316	mg/L
04	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-93.0	mV
04	Compliance	E001	06/21/2023	pH (field)	7.4	SU
04	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	2.11 J+	pCi/L
04	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
04	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	720	micromhos/cm
04	Compliance	E001	06/21/2023	Sulfate, total	62.0	mg/L
04	Compliance	E001	06/21/2023	Temperature	13.0	degrees C
04	Compliance	E001	06/21/2023	Thallium, total	0.001 U	mg/L
04	Compliance	E001	06/21/2023	Total Dissolved Solids	410	mg/L
04	Compliance	E001	06/21/2023	Turbidity, field	4.90	NTU
05	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
05	Compliance	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
05	Compliance	E001	06/20/2023	Barium, total	0.0233	mg/L
05	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
05	Compliance	E001	06/20/2023	Boron, total	20.4	mg/L
05	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
05	Compliance	E001	06/20/2023	Calcium, total	93.2	mg/L
05	Compliance	E001	06/20/2023	Chloride, total	7.00	mg/L
05	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
05	Compliance	E001	06/20/2023	Cobalt, total	0.0006 J	mg/L
05	Compliance	E001	06/20/2023	Dissolved Oxygen	0.540	mg/L
05	Compliance	E001	06/20/2023	Fluoride, total	0.700	mg/L
05	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
05	Compliance	E001	06/20/2023	Lithium, total	0.0902	mg/L
05	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
05	Compliance	E001	06/20/2023	Molybdenum, total	0.0396	mg/L
05	Compliance	E001	06/20/2023	Oxidation Reduction Potential	25.0	mV
05	Compliance	E001	06/20/2023	pH (field)	7.4	SU
05	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	1.29 J+	pCi/L
05	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
05	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	726	micromhos/cm
05	Compliance	E001	06/20/2023	Sulfate, total	206	mg/L

**TABLE 1.**  
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845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
05	Compliance	E001	06/20/2023	Temperature	13.2	degrees C
05	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
05	Compliance	E001	06/20/2023	Total Dissolved Solids	506	mg/L
05	Compliance	E001	06/20/2023	Turbidity, field	4.10	NTU
07R	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
07R	Compliance	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
07R	Compliance	E001	06/20/2023	Barium, total	0.0238	mg/L
07R	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
07R	Compliance	E001	06/20/2023	Boron, total	46.8	mg/L
07R	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
07R	Compliance	E001	06/20/2023	Calcium, total	705	mg/L
07R	Compliance	E001	06/20/2023	Chloride, total	4.00	mg/L
07R	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
07R	Compliance	E001	06/20/2023	Cobalt, total	0.0002 J	mg/L
07R	Compliance	E001	06/20/2023	Dissolved Oxygen	1.60	mg/L
07R	Compliance	E001	06/20/2023	Fluoride, total	0.150	mg/L
07R	Compliance	E001	06/20/2023	Lead, total	0.00870	mg/L
07R	Compliance	E001	06/20/2023	Lithium, total	0.598	mg/L
07R	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
07R	Compliance	E001	06/20/2023	Molybdenum, total	0.483	mg/L
07R	Compliance	E001	06/20/2023	Oxidation Reduction Potential	78.0	mV
07R	Compliance	E001	06/20/2023	pH (field)	7.8	SU
07R	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	1.76 J+	pCi/L
07R	Compliance	E001	06/20/2023	Selenium, total	0.00220	mg/L
07R	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	3,020	micromhos/cm
07R	Compliance	E001	06/20/2023	Sulfate, total	1,650	mg/L
07R	Compliance	E001	06/20/2023	Temperature	14.6	degrees C
07R	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
07R	Compliance	E001	06/20/2023	Total Dissolved Solids	2,890	mg/L
07R	Compliance	E001	06/20/2023	Turbidity, field	1.90	NTU
08R	Compliance	E001	06/21/2023	Antimony, total	0.0004 U	mg/L
08R	Compliance	E001	06/21/2023	Arsenic, total	0.0318	mg/L
08R	Compliance	E001	06/21/2023	Barium, total	0.0492	mg/L
08R	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L
08R	Compliance	E001	06/21/2023	Boron, total	35.2	mg/L
08R	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
08R	Compliance	E001	06/21/2023	Calcium, total	267	mg/L
08R	Compliance	E001	06/21/2023	Chloride, total	6.00	mg/L
08R	Compliance	E001	06/21/2023	Chromium, total	0.0028 U	mg/L
08R	Compliance	E001	06/21/2023	Cobalt, total	0.0001 U	mg/L
08R	Compliance	E001	06/21/2023	Dissolved Oxygen	0.740	mg/L
08R	Compliance	E001	06/21/2023	Fluoride, total	0.06 J	mg/L
08R	Compliance	E001	06/21/2023	Lead, total	0.0059 J	mg/L
08R	Compliance	E001	06/21/2023	Lithium, total	0.347	mg/L
08R	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
08R	Compliance	E001	06/21/2023	Molybdenum, total	0.301	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
08R	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-25.0	mV
08R	Compliance	E001	06/21/2023	pH (field)	7.9	SU
08R	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	0.608 J+	pCi/L
08R	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
08R	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	1,550	micromhos/cm
08R	Compliance	E001	06/21/2023	Sulfate, total	731	mg/L
08R	Compliance	E001	06/21/2023	Temperature	12.9	degrees C
08R	Compliance	E001	06/21/2023	Thallium, total	0.001 U	mg/L
08R	Compliance	E001	06/21/2023	Total Dissolved Solids	1,350	mg/L
08R	Compliance	E001	06/21/2023	Turbidity, field	3.80	NTU
17	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
17	Compliance	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
17	Compliance	E001	06/20/2023	Barium, total	0.0265	mg/L
17	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
17	Compliance	E001	06/20/2023	Boron, total	7.40	mg/L
17	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
17	Compliance	E001	06/20/2023	Calcium, total	315	mg/L
17	Compliance	E001	06/20/2023	Chloride, total	27.0	mg/L
17	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
17	Compliance	E001	06/20/2023	Cobalt, total	0.00140	mg/L
17	Compliance	E001	06/20/2023	Dissolved Oxygen	0.540	mg/L
17	Compliance	E001	06/20/2023	Fluoride, total	0.200	mg/L
17	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
17	Compliance	E001	06/20/2023	Lithium, total	0.0217	mg/L
17	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
17	Compliance	E001	06/20/2023	Molybdenum, total	0.0066 J	mg/L
17	Compliance	E001	06/20/2023	Oxidation Reduction Potential	-41.0	mV
17	Compliance	E001	06/20/2023	pH (field)	6.8	SU
17	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	0.567 J+	pCi/L
17	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
17	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	2,020	micromhos/cm
17	Compliance	E001	06/20/2023	Sulfate, total	862 J-	mg/L
17	Compliance	E001	06/20/2023	Temperature	13.7	degrees C
17	Compliance	E001	06/20/2023	Thallium, total	0.0011 J	mg/L
17	Compliance	E001	06/20/2023	Total Dissolved Solids	1,220	mg/L
17	Compliance	E001	06/20/2023	Turbidity, field	7.20	NTU
20	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
20	Compliance	E001	06/20/2023	Arsenic, total	0.0087 U	mg/L
20	Compliance	E001	06/20/2023	Barium, total	0.0202	mg/L
20	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
20	Compliance	E001	06/20/2023	Boron, total	1.29	mg/L
20	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
20	Compliance	E001	06/20/2023	Calcium, total	95.8	mg/L
20	Compliance	E001	06/20/2023	Chloride, total	4.00 J	mg/L
20	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
20	Compliance	E001	06/20/2023	Cobalt, total	0.0005 J	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
20	Compliance	E001	06/20/2023	Dissolved Oxygen	0.620	mg/L
20	Compliance	E001	06/20/2023	Fluoride, total	0.09 J	mg/L
20	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
20	Compliance	E001	06/20/2023	Lithium, total	0.0206	mg/L
20	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
20	Compliance	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
20	Compliance	E001	06/20/2023	Oxidation Reduction Potential	-39.0	mV
20	Compliance	E001	06/20/2023	pH (field)	7.0	SU
20	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	1.56 J+	pCi/L
20	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
20	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	662	micromhos/cm
20	Compliance	E001	06/20/2023	Sulfate, total	71.0	mg/L
20	Compliance	E001	06/20/2023	Temperature	13.3	degrees C
20	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
20	Compliance	E001	06/20/2023	Total Dissolved Solids	416	mg/L
20	Compliance	E001	06/20/2023	Turbidity, field	4.20	NTU
34	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
34	Compliance	E001	06/20/2023	Arsenic, total	0.0241	mg/L
34	Compliance	E001	06/20/2023	Barium, total	0.165	mg/L
34	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
34	Compliance	E001	06/20/2023	Boron, total	0.489	mg/L
34	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
34	Compliance	E001	06/20/2023	Calcium, total	66.9	mg/L
34	Compliance	E001	06/20/2023	Chloride, total	32.0	mg/L
34	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
34	Compliance	E001	06/20/2023	Cobalt, total	0.0008 J	mg/L
34	Compliance	E001	06/20/2023	Dissolved Oxygen	0.360	mg/L
34	Compliance	E001	06/20/2023	Fluoride, total	0.690	mg/L
34	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
34	Compliance	E001	06/20/2023	Lithium, total	0.0024 J	mg/L
34	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
34	Compliance	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
34	Compliance	E001	06/20/2023	Oxidation Reduction Potential	-106	mV
34	Compliance	E001	06/20/2023	pH (field)	7.1	SU
34	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	0.987 J+	pCi/L
34	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
34	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	916	micromhos/cm
34	Compliance	E001	06/20/2023	Sulfate, total	10 UJ	mg/L
34	Compliance	E001	06/20/2023	Temperature	13.0	degrees C
34	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
34	Compliance	E001	06/20/2023	Total Dissolved Solids	475	mg/L
34	Compliance	E001	06/20/2023	Turbidity, field	89.0	NTU
36	Compliance	E001	06/21/2023	Antimony, total	0.0004 U	mg/L
36	Compliance	E001	06/21/2023	Arsenic, total	0.0087 U	mg/L
36	Compliance	E001	06/21/2023	Barium, total	0.110	mg/L
36	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
36	Compliance	E001	06/21/2023	Boron, total	14.1	mg/L
36	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
36	Compliance	E001	06/21/2023	Calcium, total	362	mg/L
36	Compliance	E001	06/21/2023	Chloride, total	17.0	mg/L
36	Compliance	E001	06/21/2023	Chromium, total	0.0028 U	mg/L
36	Compliance	E001	06/21/2023	Cobalt, total	0.0004 J	mg/L
36	Compliance	E001	06/21/2023	Dissolved Oxygen	0.420	mg/L
36	Compliance	E001	06/21/2023	Fluoride, total	0.270	mg/L
36	Compliance	E001	06/21/2023	Lead, total	0.004 U	mg/L
36	Compliance	E001	06/21/2023	Lithium, total	0.223	mg/L
36	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
36	Compliance	E001	06/21/2023	Molybdenum, total	0.173	mg/L
36	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-66.0	mV
36	Compliance	E001	06/21/2023	pH (field)	7.1	SU
36	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	2.09 J+	pCi/L
36	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
36	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	2,030	micromhos/cm
36	Compliance	E001	06/21/2023	Sulfate, total	1,000	mg/L
36	Compliance	E001	06/21/2023	Temperature	12.6	degrees C
36	Compliance	E001	06/21/2023	Thallium, total	0.0013 J	mg/L
36	Compliance	E001	06/21/2023	Total Dissolved Solids	1,550	mg/L
36	Compliance	E001	06/21/2023	Turbidity, field	7.90	NTU
37	Compliance	E001	06/21/2023	Antimony, total	0.0004 U	mg/L
37	Compliance	E001	06/21/2023	Arsenic, total	0.0374	mg/L
37	Compliance	E001	06/21/2023	Barium, total	0.321	mg/L
37	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L
37	Compliance	E001	06/21/2023	Boron, total	1.74	mg/L
37	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
37	Compliance	E001	06/21/2023	Calcium, total	116	mg/L
37	Compliance	E001	06/21/2023	Chloride, total	39.0	mg/L
37	Compliance	E001	06/21/2023	Chromium, total	0.0028 U	mg/L
37	Compliance	E001	06/21/2023	Cobalt, total	0.0004 J	mg/L
37	Compliance	E001	06/21/2023	Dissolved Oxygen	0.540	mg/L
37	Compliance	E001	06/21/2023	Fluoride, total	0.600	mg/L
37	Compliance	E001	06/21/2023	Lead, total	0.004 U	mg/L
37	Compliance	E001	06/21/2023	Lithium, total	0.0015 U	mg/L
37	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
37	Compliance	E001	06/21/2023	Molybdenum, total	0.0037 U	mg/L
37	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-52.0	mV
37	Compliance	E001	06/21/2023	pH (field)	6.8	SU
37	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	1.66 J+	pCi/L
37	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
37	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	1,470	micromhos/cm
37	Compliance	E001	06/21/2023	Sulfate, total	311	mg/L
37	Compliance	E001	06/21/2023	Temperature	13.7	degrees C
37	Compliance	E001	06/21/2023	Thallium, total	0.001 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
37	Compliance	E001	06/21/2023	Total Dissolved Solids	745	mg/L
37	Compliance	E001	06/21/2023	Turbidity, field	5.70	NTU
38	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
38	Compliance	E001	06/20/2023	Arsenic, total	0.0254	mg/L
38	Compliance	E001	06/20/2023	Barium, total	0.215	mg/L
38	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
38	Compliance	E001	06/20/2023	Boron, total	0.447	mg/L
38	Compliance	E001	06/20/2023	Cadmium, total	0.0005 U	mg/L
38	Compliance	E001	06/20/2023	Calcium, total	77.0	mg/L
38	Compliance	E001	06/20/2023	Chloride, total	18.0	mg/L
38	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
38	Compliance	E001	06/20/2023	Cobalt, total	0.0002 J	mg/L
38	Compliance	E001	06/20/2023	Dissolved Oxygen	0.440	mg/L
38	Compliance	E001	06/20/2023	Fluoride, total	0.380	mg/L
38	Compliance	E001	06/20/2023	Lead, total	0.004 U	mg/L
38	Compliance	E001	06/20/2023	Lithium, total	0.0016 J	mg/L
38	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
38	Compliance	E001	06/20/2023	Molybdenum, total	0.0037 U	mg/L
38	Compliance	E001	06/20/2023	Oxidation Reduction Potential	-98.0	mV
38	Compliance	E001	06/20/2023	pH (field)	7.0	SU
38	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	1.55 J+	pCi/L
38	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
38	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	981	micromhos/cm
38	Compliance	E001	06/20/2023	Sulfate, total	10 UJ	mg/L
38	Compliance	E001	06/20/2023	Temperature	12.3	degrees C
38	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
38	Compliance	E001	06/20/2023	Total Dissolved Solids	445	mg/L
38	Compliance	E001	06/20/2023	Turbidity, field	5.80	NTU
40	Compliance	E001	06/20/2023	Antimony, total	0.0004 U	mg/L
40	Compliance	E001	06/20/2023	Arsenic, total	0.0164	mg/L
40	Compliance	E001	06/20/2023	Barium, total	0.0274	mg/L
40	Compliance	E001	06/20/2023	Beryllium, total	0.0002 U	mg/L
40	Compliance	E001	06/20/2023	Boron, total	23.7	mg/L
40	Compliance	E001	06/20/2023	Cadmium, total	0.00360	mg/L
40	Compliance	E001	06/20/2023	Calcium, total	691	mg/L
40	Compliance	E001	06/20/2023	Chloride, total	12.0	mg/L
40	Compliance	E001	06/20/2023	Chromium, total	0.0028 U	mg/L
40	Compliance	E001	06/20/2023	Cobalt, total	0.00520	mg/L
40	Compliance	E001	06/20/2023	Dissolved Oxygen	0.510	mg/L
40	Compliance	E001	06/20/2023	Fluoride, total	0.100	mg/L
40	Compliance	E001	06/20/2023	Lead, total	0.02 U	mg/L
40	Compliance	E001	06/20/2023	Lithium, total	0.734	mg/L
40	Compliance	E001	06/20/2023	Mercury, total	0.00006 U	mg/L
40	Compliance	E001	06/20/2023	Molybdenum, total	0.0816	mg/L
40	Compliance	E001	06/20/2023	Oxidation Reduction Potential	43.0	mV
40	Compliance	E001	06/20/2023	pH (field)	6.5	SU

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
40	Compliance	E001	06/20/2023	Radium 226 + Radium 228, total	1.34 J+	pCi/L
40	Compliance	E001	06/20/2023	Selenium, total	0.0006 U	mg/L
40	Compliance	E001	06/20/2023	Specific Conductance @ 25C (field)	4,440	micromhos/cm
40	Compliance	E001	06/20/2023	Sulfate, total	3,180	mg/L
40	Compliance	E001	06/20/2023	Temperature	14.0	degrees C
40	Compliance	E001	06/20/2023	Thallium, total	0.001 U	mg/L
40	Compliance	E001	06/20/2023	Total Dissolved Solids	4,590	mg/L
40	Compliance	E001	06/20/2023	Turbidity, field	28.0	NTU
41	Compliance	E001	06/21/2023	Antimony, total	0.0004 U	mg/L
41	Compliance	E001	06/21/2023	Arsenic, total	0.0141	mg/L
41	Compliance	E001	06/21/2023	Barium, total	0.234	mg/L
41	Compliance	E001	06/21/2023	Beryllium, total	0.0002 U	mg/L
41	Compliance	E001	06/21/2023	Boron, total	3.40	mg/L
41	Compliance	E001	06/21/2023	Cadmium, total	0.0005 U	mg/L
41	Compliance	E001	06/21/2023	Calcium, total	83.6	mg/L
41	Compliance	E001	06/21/2023	Chloride, total	51.0	mg/L
41	Compliance	E001	06/21/2023	Chromium, total	0.0028 U	mg/L
41	Compliance	E001	06/21/2023	Cobalt, total	0.0004 J	mg/L
41	Compliance	E001	06/21/2023	Dissolved Oxygen	0.370	mg/L
41	Compliance	E001	06/21/2023	Fluoride, total	0.440	mg/L
41	Compliance	E001	06/21/2023	Lead, total	0.004 U	mg/L
41	Compliance	E001	06/21/2023	Lithium, total	0.0015 U	mg/L
41	Compliance	E001	06/21/2023	Mercury, total	0.00006 U	mg/L
41	Compliance	E001	06/21/2023	Molybdenum, total	0.0037 U	mg/L
41	Compliance	E001	06/21/2023	Oxidation Reduction Potential	-86.0	mV
41	Compliance	E001	06/21/2023	pH (field)	7.0	SU
41	Compliance	E001	06/21/2023	Radium 226 + Radium 228, total	1.26 J+	pCi/L
41	Compliance	E001	06/21/2023	Selenium, total	0.0006 U	mg/L
41	Compliance	E001	06/21/2023	Specific Conductance @ 25C (field)	1,210	micromhos/cm
41	Compliance	E001	06/21/2023	Sulfate, total	7 J	mg/L
41	Compliance	E001	06/21/2023	Temperature	12.6	degrees C
41	Compliance	E001	06/21/2023	Thallium, total	0.001 U	mg/L
41	Compliance	E001	06/21/2023	Total Dissolved Solids	590	mg/L
41	Compliance	E001	06/21/2023	Turbidity, field	8.10	NTU

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023**

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VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

**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 low.

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

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

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

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
02	LGU	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
02	LGU	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	9	11	CI around mean	0.00489	0.0600	Background	No Exceedance
02	LGU	E001	Barium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.193	2.0	Standard	No Exceedance
02	LGU	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
02	LGU	E001	Boron, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.305	2.45	Background	No Exceedance
02	LGU	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
02	LGU	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	20.9	200	Standard	No Exceedance
02	LGU	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
02	LGU	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
02	LGU	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	0.443	4.0	Standard	No Exceedance
02	LGU	E001	Lead, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
02	LGU	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	9	33	CI around mean	0.00269	0.04	Standard	No Exceedance
02	LGU	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
02	LGU	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.01	0.1	Standard	No Exceedance
02	LGU	E001	pH (field)	SU	03/31/21 - 06/20/23	9	0	CI around mean	7.3/7.7	6.5/9.0	Standard/Standard	No Exceedance
02	LGU	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	9	0	CI around mean	0.385	5	Standard	No Exceedance
02	LGU	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
02	LGU	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	-33.8	400	Standard	No Exceedance
02	LGU	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
02	LGU	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	543	1,200	Standard	No Exceedance
03R	LGU	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
03R	LGU	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.00393	0.0600	Background	No Exceedance
03R	LGU	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.281	2.0	Standard	No Exceedance
03R	LGU	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
03R	LGU	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	19.1	2.45	Background	Exceedance
03R	LGU	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.001	0.005	Standard	No Exceedance
03R	LGU	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	3	CI around mean	27	200	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
03R	LGU	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	0.0015	0.1	Standard	No Exceedance
03R	LGU	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.001	0.006	Standard	No Exceedance
03R	LGU	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.447	4.0	Standard	No Exceedance
03R	LGU	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	0.001	0.0075	Standard	No Exceedance
03R	LGU	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.003	0.04	Standard	No Exceedance
03R	LGU	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	LGU	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.163	0.1	Standard	Exceedance
03R	LGU	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	7.1/7.4	6.5/9.0	Standard/Standard	No Exceedance
03R	LGU	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/21/23	8	0	CI around mean	0.764	5	Standard	No Exceedance
03R	LGU	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
03R	LGU	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	483	400	Standard	Exceedance
03R	LGU	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	LGU	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	1,070	1,200	Standard	No Exceedance
04	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
04	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around geomean	0.00521	0.0600	Background	No Exceedance
04	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.237	2.0	Standard	No Exceedance
04	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
04	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	8.28	2.45	Background	Exceedance
04	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
04	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	12	200	Standard	No Exceedance
04	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
04	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	89	Most recent sample	0.001	0.006	Standard	No Exceedance
04	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.295	4.0	Standard	No Exceedance
04	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
04	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.0476	0.04	Standard	Exceedance
04	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
04	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.0247	0.1	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
04	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
04	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/21/23	8	0	CI around mean	0.523	5	Standard	No Exceedance
04	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
04	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	58.1	400	Standard	No Exceedance
04	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
04	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	393	1,200	Standard	No Exceedance
05	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
05	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.01	0.0600	Background	No Exceedance
05	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0214	2.0	Standard	No Exceedance
05	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
05	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	18.1	2.45	Background	Exceedance
05	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
05	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	3	CI around median	9	200	Standard	No Exceedance
05	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
05	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
05	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.652	4.0	Standard	No Exceedance
05	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
05	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.0855	0.04	Standard	Exceedance
05	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
05	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.0364	0.1	Standard	No Exceedance
05	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	7.1/7.4	6.5/9.0	Standard/Standard	No Exceedance
05	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/20/23	8	0	CI around mean	-0.143	5	Standard	No Exceedance
05	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
05	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	141	400	Standard	No Exceedance
05	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
05	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	517	1,200	Standard	No Exceedance
07R	UA	E001	Antimony, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
07R	UA	E001	Arsenic, total	mg/L	05/12/21 - 06/20/23	7	14	CI around geomean	0.000566	0.0600	Background	No Exceedance
07R	UA	E001	Barium, total	mg/L	05/12/21 - 06/20/23	7	0	CI around median	0.0176	2.0	Standard	No Exceedance
07R	UA	E001	Beryllium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.0005	0.004	Standard	No Exceedance
07R	UA	E001	Boron, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	31.3	2.45	Background	Exceedance
07R	UA	E001	Cadmium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.005	Standard	No Exceedance
07R	UA	E001	Chloride, total	mg/L	05/12/21 - 06/20/23	7	0	CI around median	4	200	Standard	No Exceedance
07R	UA	E001	Chromium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.1	Standard	No Exceedance
07R	UA	E001	Cobalt, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.006	Standard	No Exceedance
07R	UA	E001	Fluoride, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.115	4.0	Standard	No Exceedance
07R	UA	E001	Lead, total	mg/L	05/12/21 - 06/20/23	7	57	CI around median	0.001	0.0075	Standard	No Exceedance
07R	UA	E001	Lithium, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.531	0.04	Standard	Exceedance
07R	UA	E001	Mercury, total	mg/L	05/12/21 - 06/20/23	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
07R	UA	E001	Molybdenum, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.387	0.1	Standard	Exceedance
07R	UA	E001	pH (field)	SU	05/12/21 - 06/20/23	7	0	CI around mean	7.2/7.8	6.5/9.0	Standard/Standard	No Exceedance
07R	UA	E001	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 06/20/23	7	0	CI around geomean	0.237	5	Standard	No Exceedance
07R	UA	E001	Selenium, total	mg/L	05/12/21 - 06/20/23	7	29	CI around mean	0.000454	0.05	Standard	No Exceedance
07R	UA	E001	Sulfate, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	1,720	400	Standard	Exceedance
07R	UA	E001	Thallium, total	mg/L	05/12/21 - 06/20/23	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
07R	UA	E001	Total Dissolved Solids	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	2,860	1,200	Standard	Exceedance
08R	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
08R	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.00933	0.0600	Background	No Exceedance
08R	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.0526	2.0	Standard	No Exceedance
08R	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
08R	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	19.7	2.45	Background	Exceedance
08R	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
08R	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	4	200	Standard	No Exceedance
08R	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
 845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
08R	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
08R	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	67	CI around median	0.1	4.0	Standard	No Exceedance
08R	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
08R	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	0.13	0.04	Standard	Exceedance
08R	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
08R	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.145	0.1	Standard	Exceedance
08R	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	6.8/8.0	6.5/9.0	Standard/Standard	No Exceedance
08R	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/21/23	8	0	CI around mean	0.224	5	Standard	No Exceedance
08R	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
08R	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	397	400	Standard	No Exceedance
08R	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
08R	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	959	1,200	Standard	No Exceedance
17	UA	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
17	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	6	17	CI around mean	0.00369	0.0600	Background	No Exceedance
17	UA	E001	Barium, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.024	2.0	Standard	No Exceedance
17	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
17	UA	E001	Boron, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	1.86	2.45	Background	No Exceedance
17	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.002	0.005	Standard	No Exceedance
17	UA	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	8.23	200	Standard	No Exceedance
17	UA	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.005	0.1	Standard	No Exceedance
17	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.00126	0.006	Standard	No Exceedance
17	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.138	4.0	Standard	No Exceedance
17	UA	E001	Lead, total	mg/L	03/31/21 - 06/20/23	6	67	CI around median (Last Sample, n<7)	0.0075	0.0075	Standard	No Exceedance
17	UA	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.0179	0.04	Standard	No Exceedance
17	UA	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
17	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	6	33	CI around mean	0.0017	0.1	Standard	No Exceedance
17	UA	E001	pH (field)	SU	03/31/21 - 06/20/23	6	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
17	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	6	0	CI around mean	-0.0431	5	Standard	No Exceedance
17	UA	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	6	83	Most recent sample	0.001	0.05	Standard	No Exceedance
17	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	831	400	Standard	Exceedance
17	UA	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
17	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	1,380	1,200	Standard	Exceedance
20	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
20	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	78	CI around median	0.001	0.0600	Background	No Exceedance
20	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0158	2.0	Standard	No Exceedance
20	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
20	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.514	2.45	Background	No Exceedance
20	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
20	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	17	CI around median	4	200	Standard	No Exceedance
20	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
20	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.001	0.006	Standard	No Exceedance
20	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.1	4.0	Standard	No Exceedance
20	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
20	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.0185	0.04	Standard	No Exceedance
20	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
20	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
20	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
20	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.29	5	Standard	No Exceedance
20	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
20	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	-38.3	400	Standard	No Exceedance
20	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
20	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	379	1,200	Standard	No Exceedance
34	LGU	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
34	LGU	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0238	0.0600	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
34	LGU	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.153	2.0	Standard	No Exceedance
34	LGU	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
34	LGU	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.463	2.45	Background	No Exceedance
34	LGU	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
34	LGU	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	32.9	200	Standard	No Exceedance
34	LGU	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	22	CI around mean	0.00168	0.1	Standard	No Exceedance
34	LGU	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	44	CI around geomean	0.00095	0.006	Standard	No Exceedance
34	LGU	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.648	4.0	Standard	No Exceedance
34	LGU	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	11	CI around mean	0.00144	0.0075	Standard	No Exceedance
34	LGU	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	33	CI around mean	0.00297	0.04	Standard	No Exceedance
34	LGU	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
34	LGU	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
34	LGU	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
34	LGU	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.285	5	Standard	No Exceedance
34	LGU	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
34	LGU	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	90	CI around median	10	400	Standard	No Exceedance
34	LGU	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
34	LGU	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around median	475	1,200	Standard	No Exceedance
36	UA	E001	Antimony, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
36	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/21/23	9	11	CB around linear reg	0.00374	0.0600	Background	No Exceedance
36	UA	E001	Barium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.106	2.0	Standard	No Exceedance
36	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
36	UA	E001	Boron, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	11.1	2.45	Background	Exceedance
36	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
36	UA	E001	Chloride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	19.7	200	Standard	No Exceedance
36	UA	E001	Chromium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
36	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
 845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
36	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.253	4.0	Standard	No Exceedance
36	UA	E001	Lead, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
36	UA	E001	Lithium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.113	0.04	Standard	Exceedance
36	UA	E001	Mercury, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
36	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.0961	0.1	Standard	No Exceedance
36	UA	E001	pH (field)	SU	03/31/21 - 06/21/23	9	0	CI around mean	6.9/7.2	6.5/9.0	Standard/Standard	No Exceedance
36	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/21/23	9	0	CI around mean	1.16	5	Standard	No Exceedance
36	UA	E001	Selenium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
36	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	936	400	Standard	Exceedance
36	UA	E001	Thallium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
36	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	1,610	1,200	Standard	Exceedance
37	LGU	E001	Antimony, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
37	LGU	E001	Arsenic, total	mg/L	03/31/21 - 06/21/23	9	0	CB around T-S line	0.0374	0.0600	Background	No Exceedance
37	LGU	E001	Barium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.271	2.0	Standard	No Exceedance
37	LGU	E001	Beryllium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
37	LGU	E001	Boron, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	1.16	2.45	Background	No Exceedance
37	LGU	E001	Cadmium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
37	LGU	E001	Chloride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	41.9	200	Standard	No Exceedance
37	LGU	E001	Chromium, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
37	LGU	E001	Cobalt, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
37	LGU	E001	Fluoride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.598	4.0	Standard	No Exceedance
37	LGU	E001	Lead, total	mg/L	03/31/21 - 06/21/23	9	78	CI around median	0.001	0.0075	Standard	No Exceedance
37	LGU	E001	Lithium, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.003	0.04	Standard	No Exceedance
37	LGU	E001	Mercury, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
37	LGU	E001	Molybdenum, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
37	LGU	E001	pH (field)	SU	03/31/21 - 06/21/23	9	0	CI around mean	6.8/7.1	6.5/9.0	Standard/Standard	No Exceedance
37	LGU	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/21/23	9	0	CI around mean	0.703	5	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
 845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
37	LGU	E001	Selenium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
37	LGU	E001	Sulfate, total	mg/L	03/31/21 - 06/21/23	9	0	CB around linear reg	216	400	Standard	No Exceedance
37	LGU	E001	Thallium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
37	LGU	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/21/23	9	0	CB around linear reg	571	1,200	Standard	No Exceedance
38	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
38	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.0182	0.0600	Background	No Exceedance
38	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CB around T-S line	-0.304	2.0	Standard	No Exceedance
38	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
38	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.403	2.45	Background	No Exceedance
38	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
38	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	18	200	Standard	No Exceedance
38	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
38	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
38	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.341	4.0	Standard	No Exceedance
38	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
38	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	33	CB around linear reg	-0.0194	0.04	Standard	No Exceedance
38	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
38	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	11	CB around linear reg	-0.00657	0.1	Standard	No Exceedance
38	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.2	6.5/9.0	Standard/Standard	No Exceedance
38	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.774	5	Standard	No Exceedance
38	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
38	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	10	400	Standard	No Exceedance
38	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
38	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	484	1,200	Standard	No Exceedance
40	UA	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
40	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0168	0.0600	Background	No Exceedance
40	UA	E001	Barium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.03	2.0	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023**  
 845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
40	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
40	UA	E001	Boron, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	18.7	2.45	Background	Exceedance
40	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	9	89	CI around median	0.001	0.005	Standard	No Exceedance
40	UA	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	13.2	200	Standard	No Exceedance
40	UA	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
40	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0051	0.006	Standard	No Exceedance
40	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	9	78	Most recent sample	0.1	4.0	Standard	No Exceedance
40	UA	E001	Lead, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0375	0.0075	Standard	No Exceedance (RL > GWPS)
40	UA	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around geomean	0.723	0.04	Standard	Exceedance
40	UA	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
40	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0636	0.1	Standard	No Exceedance
40	UA	E001	pH (field)	SU	03/31/21 - 06/20/23	9	0	CI around mean	6.4/6.6	6.5/9.0	Standard/Standard	No Exceedance
40	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	9	0	CI around mean	0.622	5	Standard	No Exceedance
40	UA	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
40	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	2,760	400	Standard	Exceedance
40	UA	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	9	78	CI around median	0.002	0.002	Standard	No Exceedance
40	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	4,330	1,200	Standard	Exceedance
41	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
41	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.00815	0.0600	Background	No Exceedance
41	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.23	2.0	Standard	No Exceedance
41	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
41	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	2.53	2.45	Background	Exceedance
41	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.005	Standard	No Exceedance
41	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	54.7	200	Standard	No Exceedance
41	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
41	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance



**TABLE 2.**  
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 845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
41	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.409	4.0	Standard	No Exceedance
41	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
41	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.003	0.04	Standard	No Exceedance
41	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
41	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.01	0.1	Standard	No Exceedance
41	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
41	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 06/21/23	8	0	CI around mean	1.13	5	Standard	No Exceedance
41	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
41	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	10	400	Standard	No Exceedance
41	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
41	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	588	1,200	Standard	No Exceedance

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

845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

**Notes:**

Compliance Result:

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

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

LCL = Lower Confidence Limit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

RL = reporting limit

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

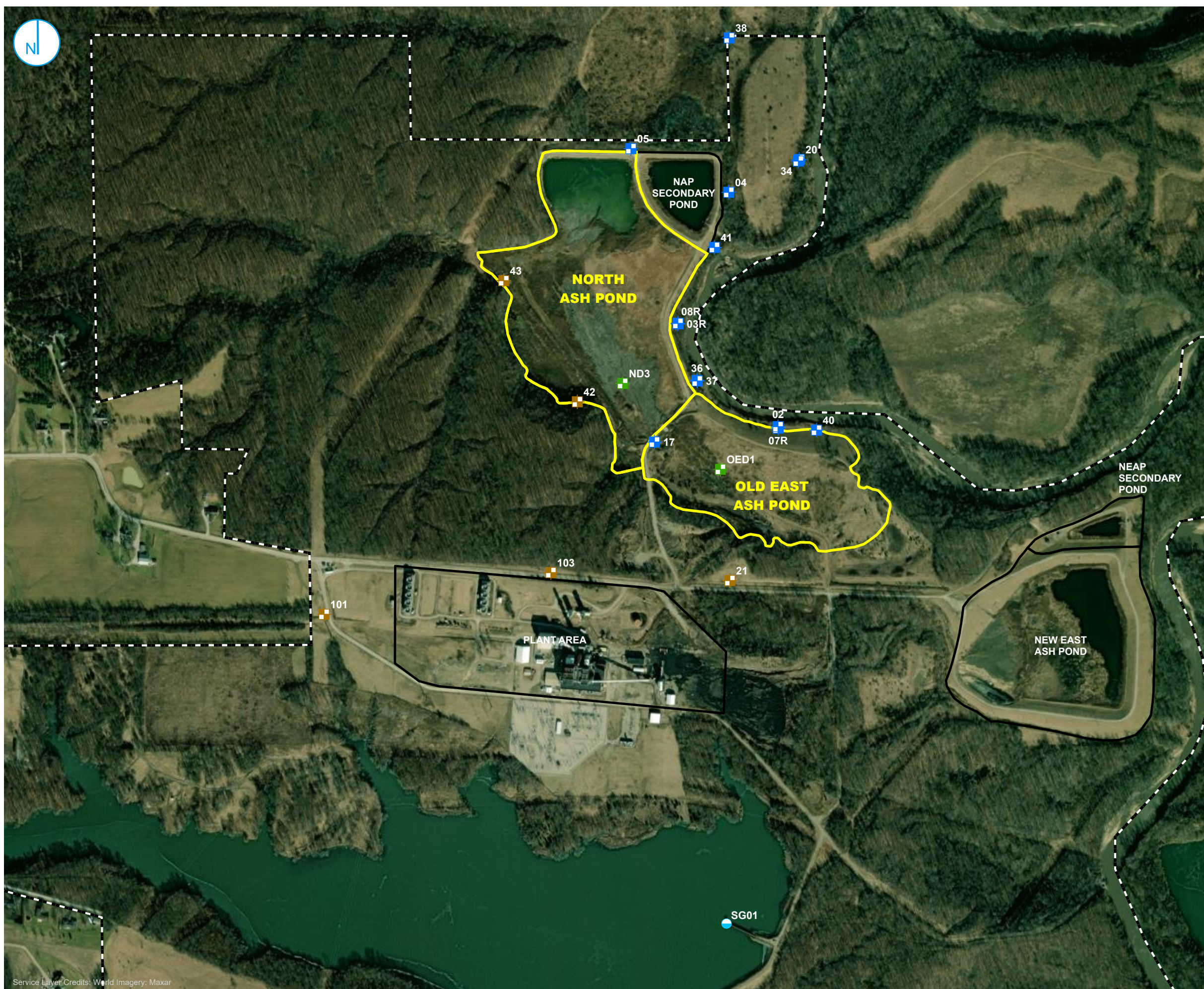
GWPS = Groundwater Protection Standard

GWPS Source:

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

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

## FIGURES



- COMPLIANCE WELL
- BACKGROUND WELL
- SOURCE SAMPLE LOCATION
- STAFF GAGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 300 600 Feet

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

NORTH ASH POND AND OLD EAST ASH POND  
VERMILION POWER PLANT  
OAKWOOD, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.



## **ATTACHMENTS**

**ATTACHMENT A  
GROUNDWATER ELEVATION DATA  
QUARTER 2 2023**

**ATTACHMENT A.  
GROUNDWATER ELEVATION DATA - QUARTER 2, 2023**

845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
02	Compliance	06/19/2023	19.11	574.75
03R	Compliance	06/21/2023	[7.86]	[582.00]
04	Compliance	06/19/2023	7.57	583.32
05	Compliance	06/20/2023	8.24	587.41
07R	Compliance	06/19/2023	15.89	578.60
08R	Compliance	06/19/2023	13.49	576.36
17	Compliance	06/20/2023	38.38	584.81
20	Compliance	06/19/2023	14.92	577.34
21	Background	06/19/2023	90.68	582.02
34	Compliance	06/19/2023	14.58	577.86
36	Compliance	06/19/2023	14.39	575.56
37	Compliance	06/19/2023	7.73	581.97
38	Compliance	06/19/2023	7.29	584.39
40	Compliance	06/19/2023	14.51	577.75
41	Compliance	06/21/2023	[6.81]	[580.36]
42	Background	06/19/2023	25.51	582.88
43	Background	06/19/2023	15.58	592.25
101	Background	06/19/2023	108.29	598.37
103	Background	06/19/2023	137.20	583.18
ND3	Water Level	06/20/2023	16.85	597.70
OED1	Water Level	06/20/2023	39.92	590.49
SG01	Water Level	06/20/2023	8.91	680.41

**Notes:**

BMP = below measuring point

Bracketing [ ] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.

NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B  
LABORATORY REPORTS AND FIELD DATA SHEETS  
QUARTER 2 2023**



July 20, 2023

Eric Bauer  
Ramboll  
300 S. Wacker Drive  
Suite 130  
Chicago, IL 60606  
TEL: (414) 837-3607  
FAX: (414) 837-3608



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

**RE: VER-23Q2**

**WorkOrder: 23060419**

Dear Eric Bauer:

TEKLAB, INC received 31 samples for VER\_845\_910-911 on 6/29/2023 5:46:00 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.

**Privileged and Confidential: Attorney –Client Communication, Attorney Work Product**

Sincerely,



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



---

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-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	38
Dates Report	39
Quality Control Results	63
Receiving Check List	116
Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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)



**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

### Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

Cooler Receipt Temp: 4.4 °C

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

VER-016!B, VER-071#S, VER-035#S and VER-101& could not be collected; the wells were dry or went dry after field analyses were completed. VER-016A could not be collected; the well is broken. VER-103& only depth to water could be measured; the well is too deep for equipment to pull water. VER-NED1 could not be collected; the well could not be located.

VER\_845\_910-911 data is included in this report. EAH 7/20/23

Locations

Collinsville

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

Springfield

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

Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**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

Chicago

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



**Accreditations**

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

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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	8/31/2023	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



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-001  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-002  
**Collection Date:** 06/20/2023 15:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		19.36	ft	1	06/20/2023 15:17	R330862
Elevation of groundwater surface	*	0	0		574.51	ft	1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.8	NTU	1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-64	mV	1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		945	µS/cm	1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.6	°C	1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.85	mg/L	1	06/20/2023 15:17	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.84		1	06/20/2023 15:17	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		504	mg/L	1	06/22/2023 10:29	R330711
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		24	mg/L	1	06/27/2023 13:45	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.57	mg/L	1	06/28/2023 11:04	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		42	mg/L	1	06/27/2023 13:46	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:04	207600
Barium	NELAP	0.0007	0.0025		0.182	mg/L	1	06/22/2023 17:04	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:04	207600
Boron	NELAP	0.0090	0.0200		0.295	mg/L	1	06/22/2023 17:04	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:04	207600
Calcium	NELAP	0.0350	0.100		85.5	mg/L	1	06/22/2023 17:04	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:04	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:04	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:04	207600
<i>Sample result for Si exceeds 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	06/22/2023 14:01	207600
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/23/2023 8:44	207600
Lithium	*	0.0015	0.0030		0.0037	mg/L	5	06/27/2023 10:58	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 14:01	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 14:01	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	0.00006	mg/L	1	06/28/2023 9:10	207819



Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-002  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23  
 Client Sample ID: VER-003R  
 Collection Date: 06/21/2023 8:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.86	ft	1	06/21/2023 8:48	R330862
Elevation of groundwater surface	*	0	0		582.00	ft	1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		34	NTU	1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-30	mV	1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1620	µS/cm	1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.2	°C	1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.70	mg/L	1	06/21/2023 8:48	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.06		1	06/21/2023 8:48	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1080	mg/L	2.5	06/23/2023 9:47	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		552	mg/L	20	06/30/2023 9:50	R331031
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	06/28/2023 11:06	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		27	mg/L	1	06/29/2023 10:18	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0161	mg/L	1	06/27/2023 11:15	207643
Barium	NELAP	0.0007	0.0025		0.319	mg/L	1	06/27/2023 11:15	207643
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 17:33	207643
Boron	NELAP	0.0900	0.200	S	26.7	mg/L	10	06/27/2023 10:37	207643
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/27/2023 11:15	207643
Calcium	NELAP	0.0350	0.100	S	168	mg/L	1	06/27/2023 11:15	207643
Chromium	NELAP	0.0028	0.0050	J	0.0046	mg/L	1	06/23/2023 17:33	207643
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/27/2023 11:15	207643
Molybdenum	NELAP	0.0037	0.0100		0.322	mg/L	1	06/23/2023 17:33	207643
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	06/23/2023 15:40	207643
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	06/26/2023 16:53	207643
Lithium	*	0.0015	0.0030		0.0037	mg/L	5	06/27/2023 15:35	207643
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/23/2023 15:40	207643
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/27/2023 15:35	207643
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:17	207819





**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-003  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-004  
**Collection Date:** 06/21/2023 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.15	ft	1	06/21/2023 12:30	R330862
Elevation of groundwater surface	*	0	0		582.74	ft	1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.9	NTU	1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-93	mV	1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		720	µS/cm	1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.0	°C	1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.62	mg/L	1	06/21/2023 12:30	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.44		1	06/21/2023 12:30	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		410	mg/L	2.5	06/23/2023 9:48	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		62	mg/L	2	06/27/2023 14:30	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	06/28/2023 11:07	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	2		12	mg/L	2	06/27/2023 14:32	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0109	mg/L	1	06/27/2023 10:41	207643
Barium	NELAP	0.0007	0.0025		0.270	mg/L	1	06/27/2023 10:41	207643
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 17:47	207643
Boron	NELAP	0.0090	0.0200		10.3	mg/L	1	06/27/2023 10:41	207643
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/27/2023 10:41	207643
Calcium	NELAP	0.0350	0.100		76.3	mg/L	1	06/27/2023 10:41	207643
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/23/2023 17:47	207643
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/27/2023 10:41	207643
Molybdenum	NELAP	0.0037	0.0100		0.0316	mg/L	1	06/23/2023 17:47	207643
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/23/2023 14:13	207643
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	06/23/2023 14:13	207643
Lithium	*	0.0015	0.0030		0.0498	mg/L	5	06/27/2023 11:10	207643
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/23/2023 14:13	207643
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/23/2023 14:13	207643
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:19	207819



Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-004  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23  
 Client Sample ID: VER-005  
 Collection Date: 06/20/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.24	ft	1	06/20/2023 14:33	R330862
Elevation of groundwater surface	*	0	0		587.41	ft	1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.1	NTU	1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		25	mV	1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		726	µS/cm	1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.2	°C	1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	06/20/2023 14:33	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.41		1	06/20/2023 14:33	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		506	mg/L	1	06/23/2023 9:48	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		206	mg/L	10	06/27/2023 14:58	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.70	mg/L	1	06/28/2023 11:09	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		7	mg/L	1	06/27/2023 14:40	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 14:00	207600
Barium	NELAP	0.0007	0.0025		0.0233	mg/L	1	06/22/2023 14:00	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 14:00	207600
Boron	NELAP	0.0900	0.200	S	20.4	mg/L	10	06/26/2023 19:04	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 14:00	207600
Calcium	NELAP	0.0350	0.100	S	93.2	mg/L	1	06/22/2023 14:00	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 14:00	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 14:00	207600
Molybdenum	NELAP	0.0037	0.0100		0.0396	mg/L	1	06/22/2023 14:00	207600
<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	06/22/2023 16:13	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	06/23/2023 9:02	207600
Lithium	*	0.0015	0.0030		0.0902	mg/L	5	06/29/2023 14:41	207871
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 16:13	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 16:13	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:21	207819



Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-005  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-007R  
Collection Date: 06/20/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.79	ft	1	06/20/2023 14:53	R330862
Elevation of groundwater surface	*	0	0		578.71	ft	1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.9	NTU	1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		78	mV	1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		3020	µS/cm	1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.6	°C	1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.60	mg/L	1	06/20/2023 14:53	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.76		1	06/20/2023 14:53	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		2890	mg/L	1	06/23/2023 9:48	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	307	500		1650	mg/L	50	06/27/2023 15:06	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.15	mg/L	1	06/28/2023 11:10	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		4	mg/L	1	06/29/2023 11:17	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:05	207600
Barium	NELAP	0.0007	0.0025		0.0238	mg/L	1	06/22/2023 17:05	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:05	207600
Boron	NELAP	0.0900	0.200		46.8	mg/L	10	06/26/2023 19:09	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:05	207600
Calcium	NELAP	0.0350	0.100		705	mg/L	1	06/22/2023 17:05	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:05	207600
Lead	NELAP	0.0040	0.0075		0.0087	mg/L	1	06/22/2023 17:05	207600
Molybdenum	NELAP	0.0037	0.0100		0.483	mg/L	1	06/22/2023 17:05	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 14:07	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	06/23/2023 8:48	207600
Lithium	*	0.0015	0.0030		0.598	mg/L	5	06/27/2023 11:04	207600
Selenium	NELAP	0.0006	0.0010		0.0022	mg/L	5	06/22/2023 14:07	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 14:07	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:23	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-006  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-008R  
**Collection Date:** 06/21/2023 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		13.47	ft	1	06/21/2023 9:16	R330862
Elevation of groundwater surface	*	0	0		576.39	ft	1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.8	NTU	1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-25	mV	1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1550	µS/cm	1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.9	°C	1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.74	mg/L	1	06/21/2023 9:16	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.87		1	06/21/2023 9:16	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1350	mg/L	1	06/23/2023 9:48	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		731	mg/L	20	06/27/2023 15:08	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10	J	0.06	mg/L	1	06/28/2023 11:23	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		6	mg/L	1	06/29/2023 11:22	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0318	mg/L	1	06/27/2023 10:43	207643
Barium	NELAP	0.0007	0.0025		0.0492	mg/L	1	06/27/2023 10:43	207643
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 17:49	207643
Boron	NELAP	0.0900	0.200		35.2	mg/L	10	06/27/2023 15:46	207643
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/27/2023 10:43	207643
Calcium	NELAP	0.0350	0.100		267	mg/L	1	06/27/2023 10:43	207643
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/23/2023 17:49	207643
Lead	NELAP	0.0040	0.0075	J	0.0059	mg/L	1	06/27/2023 10:43	207643
Molybdenum	NELAP	0.0037	0.0100		0.301	mg/L	1	06/23/2023 17:49	207643
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/23/2023 14:19	207643
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/23/2023 14:19	207643
Lithium	*	0.0015	0.0030		0.347	mg/L	5	06/27/2023 11:15	207643
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/23/2023 14:19	207643
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/23/2023 14:19	207643
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:30	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-010  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-017  
**Collection Date:** 06/20/2023 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		38.38	ft	1	06/20/2023 10:15	R330862
Elevation of groundwater surface	*	0	0		584.81	ft	1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.2	NTU	1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-41	mV	1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2020	µS/cm	1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.7	°C	1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	06/20/2023 10:15	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.79		1	06/20/2023 10:15	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1220	mg/L	2.5	06/22/2023 10:29	R330711
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	307	500	S	862	mg/L	50	06/29/2023 15:41	R330994
<i>Matrix spike did not recover within control limits. Results verified by reanalysis at dilution.</i>									
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	06/28/2023 10:10	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		27	mg/L	1	06/27/2023 15:28	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:09	207600
Barium	NELAP	0.0007	0.0025		0.0265	mg/L	1	06/22/2023 17:09	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:09	207600
Boron	NELAP	0.0090	0.0200		7.40	mg/L	1	06/22/2023 17:09	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:09	207600
Calcium	NELAP	0.0350	0.100		315	mg/L	1	06/22/2023 17:09	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:09	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:09	207600
Molybdenum	NELAP	0.0037	0.010	J	0.0066	mg/L	1	06/22/2023 17:09	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 15:29	207600
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	06/23/2023 8:58	207600
Lithium	*	0.0015	0.0030		0.0217	mg/L	5	06/27/2023 12:29	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 15:29	207600
Thallium	NELAP	0.0010	0.0020	J	0.0011	mg/L	5	06/22/2023 15:29	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:35	207819



Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-011  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23  
 Client Sample ID: VER-020  
 Collection Date: 06/20/2023 15:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.91	ft	1	06/20/2023 15:45	R330862
Elevation of groundwater surface	*	0	0		577.36	ft	1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.2	NTU	1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-39	mV	1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		662	µS/cm	1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.3	°C	1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.62	mg/L	1	06/20/2023 15:45	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.02		1	06/20/2023 15:45	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		416	mg/L	1	06/23/2023 9:49	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		71	mg/L	2	06/27/2023 16:01	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10	J	0.09	mg/L	1	06/28/2023 10:13	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	J	4	mg/L	1	06/29/2023 11:27	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:10	207600
Barium	NELAP	0.0007	0.0025		0.0202	mg/L	1	06/22/2023 17:10	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:10	207600
Boron	NELAP	0.0090	0.0200		1.29	mg/L	1	06/22/2023 17:10	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:10	207600
Calcium	NELAP	0.0350	0.100		95.8	mg/L	1	06/22/2023 17:10	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:10	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:10	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:10	207600
<i>Sample result for Si exceeds 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	06/22/2023 15:35	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	06/23/2023 9:35	207600
Lithium	*	0.0015	0.0030		0.0206	mg/L	5	06/27/2023 12:34	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 15:35	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 15:35	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:37	207819



Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-012  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-021  
Collection Date: 06/20/2023 9:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		90.85	ft	1	06/20/2023 9:28	R330862
Elevation of groundwater surface	*	0	0		581.86	ft	1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.2	NTU	1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-67	mV	1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		715	µS/cm	1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.1	°C	1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.04	mg/L	1	06/20/2023 9:28	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.04		1	06/20/2023 9:28	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		375	mg/L	2.5	06/23/2023 11:03	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		14	mg/L	1	06/27/2023 16:09	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		1.16	mg/L	1	06/28/2023 10:16	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		2	mg/L	1	06/27/2023 16:10	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0625	mg/L	1	06/22/2023 17:12	207600
Barium	NELAP	0.0007	0.0025		0.118	mg/L	1	06/22/2023 17:12	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:12	207600
Boron	NELAP	0.0090	0.0200		0.859	mg/L	1	06/22/2023 17:12	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:12	207600
Calcium	NELAP	0.0350	0.100		63.2	mg/L	1	06/22/2023 17:12	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:12	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:12	207600
Molybdenum	NELAP	0.0037	0.010	J	0.0038	mg/L	1	06/22/2023 17:12	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 15:42	207600
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/23/2023 9:39	207600
Lithium	*	0.0015	0.0030	J	0.0022	mg/L	5	06/27/2023 12:40	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 15:42	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 15:42	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:44	207819



Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-017  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23  
 Client Sample ID: VER-034  
 Collection Date: 06/20/2023 16:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.59	ft	1	06/20/2023 16:26	R330862
Elevation of groundwater surface	*	0	0		577.86	ft	1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		89	NTU	1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-106	mV	1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		916	µS/cm	1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.0	°C	1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	06/20/2023 16:26	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.06		1	06/20/2023 16:26	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		475	mg/L	2.5	06/23/2023 11:03	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	7	mg/L	1	06/27/2023 16:25	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.69	mg/L	1	06/28/2023 10:19	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		32	mg/L	1	06/27/2023 16:26	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0241	mg/L	1	06/29/2023 10:02	207664
Barium	NELAP	0.0007	0.0025		0.165	mg/L	1	06/23/2023 12:48	207664
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 12:48	207664
Boron	NELAP	0.0090	0.0200		0.489	mg/L	1	06/23/2023 12:48	207664
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/23/2023 12:48	207664
Calcium	NELAP	0.0350	0.100		66.9	mg/L	1	06/23/2023 12:48	207664
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/23/2023 12:48	207664
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/23/2023 12:48	207664
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/23/2023 12:48	207664
<i>Sample result for Si exceeds 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	06/23/2023 16:40	207664
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	06/23/2023 16:40	207664
Lithium	*	0.0015	0.0030	J	0.0024	mg/L	5	06/27/2023 11:21	207664
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/27/2023 11:21	207664
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/23/2023 16:40	207664
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:48	207819





Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-020  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23

Client Sample ID: VER-036

Collection Date: 06/21/2023 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.48	ft	1	06/21/2023 10:33	R330862
Elevation of groundwater surface	*	0	0		575.48	ft	1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.9	NTU	1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-66	mV	1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2030	µS/cm	1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.6	°C	1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.42	mg/L	1	06/21/2023 10:33	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.11		1	06/21/2023 10:33	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1550	mg/L	2.5	06/23/2023 11:03	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	307	500		1000	mg/L	50	06/27/2023 16:51	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.27	mg/L	1	06/28/2023 10:21	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		17	mg/L	1	06/29/2023 13:28	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/29/2023 10:04	207664
Barium	NELAP	0.0007	0.0025		0.110	mg/L	1	06/29/2023 10:04	207664
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/29/2023 10:04	207664
Boron	NELAP	0.0090	0.0200	S	14.1	mg/L	1	06/29/2023 10:04	207664
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/29/2023 10:04	207664
Calcium	NELAP	0.0350	0.100	S	362	mg/L	1	06/29/2023 10:04	207664
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/29/2023 10:04	207664
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/29/2023 10:04	207664
Molybdenum	NELAP	0.0037	0.0100		0.173	mg/L	1	06/29/2023 10:04	207664
<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 ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	S	< 0.0010	mg/L	5	06/29/2023 15:06	207871
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	06/29/2023 15:06	207871
Lithium	*	0.0015	0.0030		0.223	mg/L	5	06/29/2023 15:06	207871
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/29/2023 15:06	207871
Thallium	NELAP	0.0010	0.0020	J	0.0013	mg/L	5	06/29/2023 15:06	207871
<i>Matrix spike did not recover within control limits due to sample composition. Verified by re-prep and re-analysis.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:50	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-021  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-037  
**Collection Date:** 06/21/2023 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.82	ft	1	06/21/2023 9:49	R330862
Elevation of groundwater surface	*	0	0		581.89	ft	1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.7	NTU	1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-52	mV	1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1470	µS/cm	1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.7	°C	1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	06/21/2023 9:49	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.84		1	06/21/2023 9:49	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		745	mg/L	2.5	06/23/2023 11:04	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		311	mg/L	10	06/27/2023 17:08	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.60	mg/L	1	06/28/2023 10:22	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	10		39	mg/L	10	06/27/2023 17:09	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0374	mg/L	1	06/27/2023 10:45	207643
Barium	NELAP	0.0007	0.0025		0.321	mg/L	1	06/27/2023 10:45	207643
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 17:51	207643
Boron	NELAP	0.0090	0.0200		1.74	mg/L	1	06/27/2023 15:47	207643
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/27/2023 10:45	207643
Calcium	NELAP	0.0350	0.100		116	mg/L	1	06/27/2023 10:45	207643
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/23/2023 17:51	207643
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/27/2023 10:45	207643
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/23/2023 17:51	207643
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/23/2023 14:24	207643
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	06/23/2023 14:24	207643
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/27/2023 11:26	207643
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/23/2023 14:24	207643
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/23/2023 14:24	207643
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:53	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-022  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-038  
**Collection Date:** 06/20/2023 15:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.40	ft	1	06/20/2023 15:08	R330862
Elevation of groundwater surface	*	0	0		584.29	ft	1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.8	NTU	1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-98	mV	1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		981	µS/cm	1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.3	°C	1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.44	mg/L	1	06/20/2023 15:08	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.97		1	06/20/2023 15:08	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		445	mg/L	2.5	06/23/2023 11:04	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	6	mg/L	1	06/27/2023 17:18	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	06/28/2023 10:24	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		18	mg/L	1	06/27/2023 17:19	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0254	mg/L	1	06/22/2023 17:45	207600
Barium	NELAP	0.0007	0.0025		0.215	mg/L	1	06/22/2023 17:45	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:45	207600
Boron	NELAP	0.0090	0.0200		0.447	mg/L	1	06/22/2023 17:45	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:45	207600
Calcium	NELAP	0.0350	0.100		77.0	mg/L	1	06/22/2023 17:45	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:45	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:45	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:45	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 15:54	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	06/23/2023 9:49	207600
Lithium	*	0.0015	0.0030	J	0.0016	mg/L	5	06/27/2023 12:17	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 15:54	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 15:54	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:55	207819



Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-023  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-040  
Collection Date: 06/20/2023 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.52	ft	1	06/20/2023 13:42	R330862
Elevation of groundwater surface	*	0	0		577.75	ft	1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		28	NTU	1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		43	mV	1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		4440	µS/cm	1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.0	°C	1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.51	mg/L	1	06/20/2023 13:42	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.50		1	06/20/2023 13:42	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	80	100		4590	mg/L	5	06/23/2023 11:04	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	614	1000		3180	mg/L	100	06/30/2023 10:10	R331031
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.10	mg/L	1	06/28/2023 10:33	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		12	mg/L	1	06/29/2023 22:52	R331001
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0164	mg/L	1	06/22/2023 17:47	207600
Barium	NELAP	0.0007	0.0025		0.0274	mg/L	1	06/22/2023 17:47	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:47	207600
Boron	NELAP	0.0180	0.0400		23.7	mg/L	2	06/26/2023 19:10	207600
Cadmium	NELAP	0.0005	0.0020		0.0036	mg/L	1	06/22/2023 17:47	207600
Calcium	NELAP	0.0350	0.100		691	mg/L	1	06/22/2023 17:47	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:47	207600
Lead	NELAP	0.0200	0.0375		< 0.0375	mg/L	5	06/27/2023 15:53	207600
Molybdenum	NELAP	0.0037	0.0100		0.0816	mg/L	1	06/22/2023 17:47	207600
<i>Elevated reporting limit due to high levels of target and non-target analytes.</i>									
<i>Sample result for Si exceeds 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	06/22/2023 16:00	207600
Cobalt	NELAP	0.0001	0.0010		0.0052	mg/L	5	06/23/2023 9:53	207600
Lithium	*	0.0015	0.0030		0.734	mg/L	5	06/27/2023 13:36	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 16:00	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 16:00	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:57	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-024  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-041  
**Collection Date:** 06/21/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		6.81	ft	1	06/21/2023 12:08	R330862
Elevation of groundwater surface	*	0	0		580.36	ft	1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.1	NTU	1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-86	mV	1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1210	µS/cm	1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.6	°C	1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.37	mg/L	1	06/21/2023 12:08	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.04		1	06/21/2023 12:08	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		590	mg/L	2.5	06/23/2023 11:04	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	7	mg/L	1	06/29/2023 16:07	R330994
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.44	mg/L	1	06/28/2023 10:35	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	10		51	mg/L	10	06/27/2023 17:54	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0141	mg/L	1	06/27/2023 11:13	207643
Barium	NELAP	0.0007	0.0025		0.234	mg/L	1	06/27/2023 11:13	207643
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/23/2023 17:52	207643
Boron	NELAP	0.0090	0.0200		3.40	mg/L	1	06/27/2023 11:13	207643
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/27/2023 11:13	207643
Calcium	NELAP	0.0350	0.100		83.6	mg/L	1	06/27/2023 11:13	207643
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/23/2023 17:52	207643
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/27/2023 11:13	207643
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/23/2023 17:52	207643
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/23/2023 14:30	207643
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	06/23/2023 14:30	207643
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/27/2023 11:32	207643
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/23/2023 14:30	207643
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/23/2023 14:30	207643
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 9:59	207819



Client: Ramboll  
 Client Project: VER-23Q2  
 Lab ID: 23060419-025  
 Matrix: GROUNDWATER

Work Order: 23060419  
 Report Date: 20-Jul-23  
 Client Sample ID: VER-042  
 Collection Date: 06/20/2023 12:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.48	ft	1	06/20/2023 12:32	R330862
Elevation of groundwater surface	*	0	0		582.92	ft	1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.6	NTU	1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-122	mV	1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1060	µS/cm	1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		11.9	°C	1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.66	mg/L	1	06/20/2023 12:32	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.32		1	06/20/2023 12:32	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		595	mg/L	2.5	06/23/2023 11:05	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		127	mg/L	10	06/27/2023 18:01	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.54	mg/L	1	06/28/2023 10:37	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		14	mg/L	1	06/27/2023 17:57	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0277	mg/L	1	06/22/2023 17:49	207600
Barium	NELAP	0.0007	0.0025		0.142	mg/L	1	06/22/2023 17:49	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:49	207600
Boron	NELAP	0.0090	0.0200		0.808	mg/L	1	06/22/2023 17:49	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:49	207600
Calcium	NELAP	0.0350	0.100		111	mg/L	1	06/22/2023 17:49	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:49	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:49	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:49	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 16:07	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	06/23/2023 9:58	207600
Lithium	*	0.0015	0.0030		0.0046	mg/L	5	06/27/2023 13:42	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 16:07	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 16:07	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 10:02	207819



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-026  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-043  
**Collection Date:** 06/20/2023 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		15.62	ft	1	06/20/2023 13:14	R330862
Elevation of groundwater surface	*	0	0		592.22	ft	1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.8	NTU	1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-124	mV	1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1120	µS/cm	1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.1	°C	1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.40	mg/L	1	06/20/2023 13:14	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.25		1	06/20/2023 13:14	R330862
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		505	mg/L	2.5	06/23/2023 11:05	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		11	mg/L	1	06/27/2023 18:03	R330886
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.53	mg/L	1	06/28/2023 10:39	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	10		73	mg/L	10	06/27/2023 18:10	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:50	207600
Barium	NELAP	0.0007	0.0025		0.470	mg/L	1	06/22/2023 17:50	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:50	207600
Boron	NELAP	0.0090	0.0200		1.13	mg/L	1	06/22/2023 17:50	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:50	207600
Calcium	NELAP	0.0350	0.100		72.8	mg/L	1	06/22/2023 17:50	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:50	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:50	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:50	207600
<i>Sample result for Si exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/22/2023 16:57	207600
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	06/23/2023 10:03	207600
Lithium	*	0.0015	0.0030		0.0086	mg/L	5	06/27/2023 13:48	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 16:57	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 16:57	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 10:13	207819



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-031 Client Sample ID: VER-101#S  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:18

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>58.27</b>	ft	1	06/19/2023 13:18	R330862
Elevation of groundwater surface	*	0	0		<b>648.94</b>	ft	1	06/19/2023 13:18	R330862





**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-032  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

**Client Sample ID:** VER-101&

**Collection Date:** 06/20/2023 13:57

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>108.39</b>	ft	1	06/20/2023 13:57	R330862
Elevation of groundwater surface	*	0	0		<b>598.28</b>	ft	1	06/20/2023 13:57	R330862
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		<b>2.6</b>	NTU	1	06/20/2023 13:57	R330862
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		<b>19</b>	mV	1	06/20/2023 13:57	R330862
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		<b>848</b>	µS/cm	1	06/20/2023 13:57	R330862
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		<b>21.9</b>	°C	1	06/20/2023 13:57	R330862
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		<b>6.59</b>	mg/L	1	06/20/2023 13:57	R330862
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		<b>7.09</b>		1	06/20/2023 13:57	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-033 Client Sample ID: VER-102#S  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 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		<b>71.64</b>	ft	1	06/19/2023 13:14	R330862
Elevation of groundwater surface	*	0	0		<b>634.26</b>	ft	1	06/19/2023 13:14	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-034 Client Sample ID: VER-102&  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:15

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>124.19</b>	ft	1	06/19/2023 13:15	R330862
Elevation of groundwater surface	*	0	0		<b>465.67</b>	ft	1	06/19/2023 13:15	R330862



Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

Lab ID: 23060419-035

Client Sample ID: VER-103#S

Matrix: GROUNDWATER

Collection Date: 06/19/2023 13:27

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>57.60</b>	ft	1	06/19/2023 13:27	R330862
Elevation of groundwater surface	*	0	0		<b>663.40</b>	ft	1	06/19/2023 13:27	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-036 Client Sample ID: VER-103&  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:29

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>137.20</b>	ft	1	06/19/2023 13:29	R330862
Elevation of groundwater surface	*	0	0		<b>583.18</b>	ft	1	06/19/2023 13:29	R330862



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-037  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-104#S  
**Collection Date:** 06/19/2023 13:08

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>72.06</b>	ft	1	06/19/2023 13:08	R330862
Elevation of groundwater surface	*	0	0		<b>633.65</b>	ft	1	06/19/2023 13:08	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-038 Client Sample ID: VER-104&  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:07

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>125.68</b>	ft	1	06/19/2023 13:07	R330862
Elevation of groundwater surface	*	0	0		<b>580.20</b>	ft	1	06/19/2023 13:07	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-039 Client Sample ID: VER-105#S  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:32

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>70.25</b>	ft	1	06/19/2023 13:32	R330862
Elevation of groundwater surface	*	0	0		<b>631.85</b>	ft	1	06/19/2023 13:32	R330862





Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-040 Client Sample ID: VER-105&  
 Matrix: GROUNDWATER Collection Date: 06/19/2023 13:34

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>119.86</b>	ft	1	06/19/2023 13:34	R330862
Elevation of groundwater surface	*	0	0		<b>586.02</b>	ft	1	06/19/2023 13:34	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-041 Client Sample ID: VER-ND3  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 11:35

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>16.85</b>	ft	1	06/20/2023 11:35	R330862
Elevation of groundwater surface	*	0	0		<b>597.70</b>	ft	1	06/20/2023 11:35	R330862



Laboratory Results

Client: Ramboll Work Order: 23060419  
 Client Project: VER-23Q2 Report Date: 20-Jul-23  
 Lab ID: 23060419-043 Client Sample ID: VER-OED1  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 10:52

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>39.92</b>	ft	1	06/20/2023 10:52	R330862
Elevation of groundwater surface	*	0	0		<b>590.49</b>	ft	1	06/20/2023 10:52	R330862



Laboratory Results

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-044  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-YSG01  
**Collection Date:** 06/20/2023 9:20

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>8.91</b>	ft	1	06/20/2023 9:20	R330862
Elevation of groundwater surface	*	0	0		<b>680.41</b>	ft	1	06/20/2023 9:20	R330862



**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-045  
**Matrix:** AQUEOUS

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

**Client Sample ID:** Field Blank

**Collection Date:** 06/20/2023 16:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	06/23/2023 11:59	R330769
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	06/29/2023 16:21	R330994
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	06/28/2023 10:59	R330906
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	1		< 1	mg/L	1	06/27/2023 19:35	R330904
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/22/2023 17:55	207600
Barium	NELAP	0.0007	0.0025		< 0.0025	mg/L	1	06/22/2023 17:55	207600
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/22/2023 17:55	207600
Boron	NELAP	0.0090	0.0200		< 0.0200	mg/L	1	06/22/2023 17:55	207600
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/22/2023 17:55	207600
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	06/22/2023 17:55	207600
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/22/2023 17:55	207600
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 17:55	207600
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/22/2023 17:55	207600
<i>Contamination present in the MBLK for Si. Sample results below the reporting limit are 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	06/22/2023 17:22	207600
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/23/2023 10:44	207600
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/27/2023 16:32	207600
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/22/2023 17:22	207600
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/22/2023 17:22	207600
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/28/2023 10:31	207820



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23060419-001	VER-002	Groundwater	6	06/20/2023 15:17
23060419-002	VER-003R	Groundwater	6	06/21/2023 8:48
23060419-003	VER-004	Groundwater	6	06/21/2023 12:30
23060419-004	VER-005	Groundwater	6	06/20/2023 14:33
23060419-005	VER-007R	Groundwater	6	06/20/2023 14:53
23060419-006	VER-008R	Groundwater	6	06/21/2023 9:16
23060419-010	VER-017	Groundwater	6	06/20/2023 10:15
23060419-011	VER-020	Groundwater	6	06/20/2023 15:45
23060419-012	VER-021	Groundwater	6	06/20/2023 9:28
23060419-017	VER-034	Groundwater	6	06/20/2023 16:26
23060419-020	VER-036	Groundwater	6	06/21/2023 10:33
23060419-021	VER-037	Groundwater	6	06/21/2023 9:49
23060419-022	VER-038	Groundwater	6	06/20/2023 15:08
23060419-023	VER-040	Groundwater	6	06/20/2023 13:42
23060419-024	VER-041	Groundwater	6	06/21/2023 12:08
23060419-025	VER-042	Groundwater	6	06/20/2023 12:32
23060419-026	VER-043	Groundwater	6	06/20/2023 13:14
23060419-031	VER-101#S	Groundwater	1	06/19/2023 13:18
23060419-032	VER-101&	Groundwater	6	06/20/2023 13:57
23060419-033	VER-102#S	Groundwater	1	06/19/2023 13:14
23060419-034	VER-102&	Groundwater	1	06/19/2023 13:15
23060419-035	VER-103#S	Groundwater	1	06/19/2023 13:27
23060419-036	VER-103&	Groundwater	6	06/19/2023 13:29
23060419-037	VER-104#S	Groundwater	1	06/19/2023 13:08
23060419-038	VER-104&	Groundwater	1	06/19/2023 13:07
23060419-039	VER-105#S	Groundwater	1	06/19/2023 13:32
23060419-040	VER-105&	Groundwater	1	06/19/2023 13:34
23060419-041	VER-ND3	Groundwater	6	06/20/2023 11:35
23060419-043	VER-OED1	Groundwater	6	06/20/2023 10:52
23060419-044	VER-YSG01	Groundwater	1	06/20/2023 9:20
23060419-045	Field Blank	Aqueous	6	06/20/2023 16:30



**Dates Report**

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060419-001A	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 15:17
	Field Elevation Measurements				06/20/2023 15:17
	Standard Methods 2130 B Field				06/20/2023 15:17
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 15:17
	Standard Methods 2510 B Field				06/20/2023 15:17
	Standard Methods 2540 C (Total) 1997, 2011				06/22/2023 10:29
	Standard Methods 2550 B Field				06/20/2023 15:17
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:52
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:52
	Standard Methods 4500-O G Field				06/20/2023 15:17
	Standard Methods 4500-P E 1999				06/22/2023 8:49
	Standard Methods 4500-P E 1999, 2011				06/22/2023 8:49
	SW-846 9036 (Total)				06/27/2023 13:45
	SW-846 9040B Field				06/20/2023 15:17
	SW-846 9214 (Total)				06/28/2023 11:04
	SW-846 9251 (Total)				06/27/2023 13:46
23060419-001B	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:16
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:16
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:11
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:11
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 8:50
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 8:50
	SW-846 9036 (Dissolved)				06/22/2023 21:31
	SW-846 9251 (Dissolved)				06/22/2023 21:31
23060419-001C	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 14:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 8:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 17:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 10:58
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:10
23060419-001D	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/22/2023 8:25	06/22/2023 11:45



**Dates Report**

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

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23060419-001E	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	SW-846 9060				06/27/2023 1:05
23060419-001F	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	SW-846 9060				06/28/2023 10:02
23060419-002A	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 8:48
	Field Elevation Measurements				06/21/2023 8:48
	Standard Methods 2130 B Field				06/21/2023 8:48
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 8:48
	Standard Methods 2510 B Field				06/21/2023 8:48
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:47
	Standard Methods 2550 B Field				06/21/2023 8:48
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:24
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:44
	Standard Methods 4500-O G Field				06/21/2023 8:48
	Standard Methods 4500-P E 1999				06/22/2023 14:01
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:01
	SW-846 9036 (Total)				06/30/2023 9:50
	SW-846 9040B Field				06/21/2023 8:48
	SW-846 9214 (Total)				06/28/2023 11:06
	SW-846 9251 (Total)				06/29/2023 10:18
23060419-002B	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:23
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:23
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:19
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:19
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:02
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:02
	SW-846 9036 (Dissolved)				06/27/2023 12:22
	SW-846 9251 (Dissolved)				06/23/2023 14:36
23060419-002C	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/23/2023 17:33
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 10:37
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 11:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/23/2023 15:40





**Dates Report**

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

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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)			06/22/2023 14:02	06/26/2023 16:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/27/2023 15:35
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:17
23060419-002D	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:17
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 16:48
23060419-002E	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	SW-846 9060				06/27/2023 1:12
23060419-002F	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	SW-846 9060				06/26/2023 20:01
23060419-003A	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 12:30
	Field Elevation Measurements				06/21/2023 12:30
	Standard Methods 2130 B Field				06/21/2023 12:30
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 12:30
	Standard Methods 2510 B Field				06/21/2023 12:30
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:48
	Standard Methods 2550 B Field				06/21/2023 12:30
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:25
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:46
	Standard Methods 4500-O G Field				06/21/2023 12:30
	Standard Methods 4500-P E 1999				06/22/2023 14:02
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:02
	SW-846 9036 (Total)				06/27/2023 14:30
	SW-846 9040B Field				06/21/2023 12:30
	SW-846 9214 (Total)				06/28/2023 11:07
	SW-846 9251 (Total)				06/27/2023 14:32
23060419-003B	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:30
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:30
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:21
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:21
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:02
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:02
	SW-846 9036 (Dissolved)				06/27/2023 12:30



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9251 (Dissolved)				06/23/2023 14:44
23060419-003C	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/23/2023 17:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 10:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/23/2023 14:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/26/2023 15:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/27/2023 11:10
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:19
23060419-003D	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:18
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 16:49
23060419-003E	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	SW-846 9060				06/27/2023 1:18
23060419-003F	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	SW-846 9060				06/26/2023 20:08
23060419-004A	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 14:33
	Field Elevation Measurements				06/20/2023 14:33
	Standard Methods 2130 B Field				06/20/2023 14:33
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 14:33
	Standard Methods 2510 B Field				06/20/2023 14:33
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:48
	Standard Methods 2550 B Field				06/20/2023 14:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:54
	Standard Methods 4500-O G Field				06/20/2023 14:33
	Standard Methods 4500-P E 1999				06/22/2023 11:08
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:08
	SW-846 9036 (Total)				06/27/2023 14:58
	SW-846 9040B Field				06/20/2023 14:33
	SW-846 9214 (Total)				06/28/2023 11:09
	SW-846 9251 (Total)				06/27/2023 14:40
23060419-004B	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:37
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:37
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:38



**Dates Report**

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**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-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				06/21/2023 18:20
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:20
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:09
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:09
	SW-846 9036 (Dissolved)				06/23/2023 15:18
	SW-846 9251 (Dissolved)				06/23/2023 14:54
23060419-004C	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 14:00
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 16:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 9:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 19:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 14:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/28/2023 14:17	06/29/2023 14:41
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:21
23060419-004D	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/22/2023 8:25	06/22/2023 11:19
23060419-004E	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	SW-846 9060				06/27/2023 1:24
23060419-004F	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	SW-846 9060				06/26/2023 20:14
23060419-005A	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 14:53
	Field Elevation Measurements				06/20/2023 14:53
	Standard Methods 2130 B Field				06/20/2023 14:53
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 14:53
	Standard Methods 2510 B Field				06/20/2023 14:53
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:48
	Standard Methods 2550 B Field				06/20/2023 14:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:03
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:56
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 16:56
	Standard Methods 4500-O G Field				06/20/2023 14:53
	Standard Methods 4500-P E 1999				06/22/2023 11:09
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:09
	SW-846 9036 (Total)				06/27/2023 15:06
	SW-846 9040B Field				06/20/2023 14:53



**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 9214 (Total)				06/28/2023 11:10
	SW-846 9251 (Total)				06/29/2023 11:17
23060419-005B	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:43
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:39
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:22
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:10
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:10
	SW-846 9036 (Dissolved)				06/27/2023 12:50
	SW-846 9251 (Dissolved)				06/23/2023 15:29
23060419-005C	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:05
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 14:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 8:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 17:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 11:04
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:23
23060419-005D	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/22/2023 8:25	06/22/2023 11:40
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/22/2023 8:25	06/26/2023 18:30
23060419-005E	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	SW-846 9060				06/28/2023 10:47
23060419-005F	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	SW-846 9060				06/26/2023 20:20
23060419-006A	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 9:16
	Field Elevation Measurements				06/21/2023 9:16
	Standard Methods 2130 B Field				06/21/2023 9:16
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 9:16
	Standard Methods 2510 B Field				06/21/2023 9:16
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:48
	Standard Methods 2550 B Field				06/21/2023 9:16
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:25
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:55



**Dates Report**

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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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 (Total) 2000, 2011				06/22/2023 10:55
	Standard Methods 4500-O G Field				06/21/2023 9:16
	Standard Methods 4500-P E 1999				06/22/2023 14:03
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:03
	SW-846 9036 (Total)				06/27/2023 15:08
	SW-846 9040B Field				06/21/2023 9:16
	SW-846 9214 (Total)				06/28/2023 11:23
	SW-846 9251 (Total)				06/29/2023 11:22
23060419-006B	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:48
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 9:48
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:24
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:04
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:04
	SW-846 9036 (Dissolved)				06/27/2023 12:52
	SW-846 9251 (Dissolved)				06/23/2023 15:37
23060419-006C	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/23/2023 17:49
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 10:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 15:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/23/2023 14:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/26/2023 15:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/27/2023 11:15
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:30
23060419-006D	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:19
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 16:51
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 16:54
23060419-006E	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	SW-846 9060				06/27/2023 2:21
23060419-006F	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	SW-846 9060				06/26/2023 20:27
23060419-010A	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 10:15
	Field Elevation Measurements				06/20/2023 10:15



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**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 2130 B Field				06/20/2023 10:15
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 10:15
	Standard Methods 2510 B Field				06/20/2023 10:15
	Standard Methods 2540 C (Total) 1997, 2011				06/22/2023 10:29
	Standard Methods 2550 B Field				06/20/2023 10:15
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:03
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 19:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 19:33
	Standard Methods 4500-O G Field				06/20/2023 10:15
	Standard Methods 4500-P E 1999				06/22/2023 8:54
	Standard Methods 4500-P E 1999, 2011				06/22/2023 8:54
	SW-846 9036 (Total)				06/29/2023 15:41
	SW-846 9040B Field				06/20/2023 10:15
	SW-846 9214 (Total)				06/28/2023 10:10
	SW-846 9251 (Total)				06/27/2023 15:28
23060419-010B	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:24
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:24
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:27
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 8:55
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 8:55
	SW-846 9036 (Dissolved)				06/23/2023 13:34
	SW-846 9251 (Dissolved)				06/22/2023 21:47
23060419-010C	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 15:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 8:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 17:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 12:29
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:35
23060419-010D	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:22
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 17:06
23060419-010E	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	SW-846 9060				06/27/2023 2:34



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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060419-010F	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	SW-846 9060				06/26/2023 20:52
23060419-011A	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 15:45
	Field Elevation Measurements				06/20/2023 15:45
	Standard Methods 2130 B Field				06/20/2023 15:45
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 15:45
	Standard Methods 2510 B Field				06/20/2023 15:45
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 9:49
	Standard Methods 2550 B Field				06/20/2023 15:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:04
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:10
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:10
	Standard Methods 4500-O G Field				06/20/2023 15:45
	Standard Methods 4500-P E 1999				06/22/2023 11:11
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:11
	SW-846 9036 (Total)				06/27/2023 16:01
	SW-846 9040B Field				06/20/2023 15:45
	SW-846 9214 (Total)				06/28/2023 10:13
	SW-846 9251 (Total)				06/29/2023 11:27
23060419-011B	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:31
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:31
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:29
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:29
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:11
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:11
	SW-846 9036 (Dissolved)				06/27/2023 13:13
	SW-846 9251 (Dissolved)				06/23/2023 15:45
23060419-011C	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 15:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 9:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 18:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 12:34
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:37



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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060419-011D	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:22
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 17:08
23060419-011E	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	SW-846 9060				06/27/2023 2:40
23060419-011F	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	SW-846 9060				06/26/2023 21:30
23060419-012A	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 9:28
	Field Elevation Measurements				06/20/2023 9:28
	Standard Methods 2130 B Field				06/20/2023 9:28
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 9:28
	Standard Methods 2510 B Field				06/20/2023 9:28
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:03
	Standard Methods 2550 B Field				06/20/2023 9:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:04
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:12
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:12
	Standard Methods 4500-O G Field				06/20/2023 9:28
	Standard Methods 4500-P E 1999				06/22/2023 8:56
	Standard Methods 4500-P E 1999, 2011				06/22/2023 8:56
	SW-846 9036 (Total)				06/27/2023 16:09
	SW-846 9040B Field				06/20/2023 9:28
	SW-846 9214 (Total)				06/28/2023 10:16
	SW-846 9251 (Total)				06/27/2023 16:10
23060419-012B	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:38
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/26/2023 17:38
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:41
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:44
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:44
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 9:04
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 9:04
	SW-846 9036 (Dissolved)				06/23/2023 15:53
	SW-846 9251 (Dissolved)				06/23/2023 15:53
23060419-012C	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:12





**Dates Report**

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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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)			06/21/2023 17:13	06/22/2023 15:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 9:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 18:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 12:40
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:44
23060419-012D	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/26/2023 9:23
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/23/2023 14:49	06/27/2023 17:09
23060419-012E	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	SW-846 9060				06/27/2023 2:59
23060419-012F	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	SW-846 9060				06/26/2023 21:36
23060419-017A	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 16:26
	Field Elevation Measurements				06/20/2023 16:26
	Standard Methods 2130 B Field				06/20/2023 16:26
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 16:26
	Standard Methods 2510 B Field				06/20/2023 16:26
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:03
	Standard Methods 2550 B Field				06/20/2023 16:26
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 14:45
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 13:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 13:51
	Standard Methods 4500-O G Field				06/20/2023 16:26
	Standard Methods 4500-P E 1999				06/22/2023 11:39
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:39
	SW-846 9036 (Total)				06/27/2023 16:25
	SW-846 9040B Field				06/20/2023 16:26
	SW-846 9214 (Total)				06/28/2023 10:19
	SW-846 9251 (Total)				06/27/2023 16:26
23060419-017B	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:14
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:14
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 14:45
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 13:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 13:59
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:40



Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

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Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:40
	SW-846 9036 (Dissolved)				06/23/2023 16:22
	SW-846 9251 (Dissolved)				06/23/2023 16:22
23060419-017C	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:48
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/29/2023 10:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/23/2023 16:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/26/2023 16:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/27/2023 11:21
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:48
23060419-017D	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 8:53
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 9:30
23060419-017E	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	SW-846 9060				06/27/2023 3:12
23060419-017F	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	SW-846 9060				06/26/2023 22:02
23060419-020A	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 10:33
	Field Elevation Measurements				06/21/2023 10:33
	Standard Methods 2130 B Field				06/21/2023 10:33
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 10:33
	Standard Methods 2510 B Field				06/21/2023 10:33
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:03
	Standard Methods 2550 B Field				06/21/2023 10:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:25
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:10
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:10
	Standard Methods 4500-O G Field				06/21/2023 10:33
	Standard Methods 4500-P E 1999				06/22/2023 14:05
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:05
	SW-846 9036 (Total)				06/27/2023 16:51
	SW-846 9040B Field				06/21/2023 10:33
	SW-846 9214 (Total)				06/28/2023 10:21
	SW-846 9251 (Total)				06/29/2023 13:28
23060419-020B	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:21



**Dates Report**

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:21
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:26
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:05
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:05
	SW-846 9036 (Dissolved)				06/27/2023 13:27
	SW-846 9251 (Dissolved)				06/23/2023 16:30
23060419-020C	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/29/2023 10:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/23/2023 16:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/26/2023 18:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 19:07	06/27/2023 12:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/28/2023 14:17	06/29/2023 15:06
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:50
23060419-020D	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 8:54
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 17:05
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 9:31
23060419-020E	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	SW-846 9060				06/28/2023 11:56
23060419-020F	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	SW-846 9060				06/26/2023 22:08
23060419-021A	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 9:49
	Field Elevation Measurements				06/21/2023 9:49
	Standard Methods 2130 B Field				06/21/2023 9:49
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 9:49
	Standard Methods 2510 B Field				06/21/2023 9:49
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:04
	Standard Methods 2550 B Field				06/21/2023 9:49
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:25
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:13
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:13
	Standard Methods 4500-O G Field				06/21/2023 9:49
	Standard Methods 4500-P E 1999				06/22/2023 14:07
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:07



**Dates Report**

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

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9036 (Total)				06/27/2023 17:08
	SW-846 9040B Field				06/21/2023 9:49
	SW-846 9214 (Total)				06/28/2023 10:22
	SW-846 9251 (Total)				06/27/2023 17:09
23060419-021B	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:46
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:46
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:07
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:07
	SW-846 9036 (Dissolved)				06/23/2023 16:42
	SW-846 9251 (Dissolved)				06/23/2023 16:38
23060419-021C	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/23/2023 17:51
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 10:45
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 15:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/23/2023 14:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/26/2023 16:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/27/2023 11:26
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:53
23060419-021D	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 8:55
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 9:58
23060419-021E	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	SW-846 9060				06/28/2023 12:03
23060419-021F	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	SW-846 9060				06/26/2023 22:14
23060419-022A	VER-038	06/20/2023 15:08	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 15:08
	Field Elevation Measurements				06/20/2023 15:08
	Standard Methods 2130 B Field				06/20/2023 15:08
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 15:08
	Standard Methods 2510 B Field				06/20/2023 15:08
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:04
	Standard Methods 2550 B Field				06/20/2023 15:08



Dates Report

Client: Ramboll  
 Client Project: VER-23Q2

Work Order: 23060419  
 Report Date: 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Test Name	Prep Date/Time	Analysis Date/Time
				Standard Methods 4500-NO2 B (Total) 2000, 2011		06/22/2023 0:05
				Standard Methods 4500-NO3 F (Total) 2000, 2011		06/21/2023 17:29
				Standard Methods 4500-NO3 F (Total) 2000, 2011		06/21/2023 17:29
				Standard Methods 4500-O G Field		06/20/2023 15:08
				Standard Methods 4500-P E 1999		06/22/2023 11:15
				Standard Methods 4500-P E 1999, 2011		06/22/2023 11:15
				SW-846 9036 (Total)		06/27/2023 17:18
				SW-846 9040B Field		06/20/2023 15:08
				SW-846 9214 (Total)		06/28/2023 10:24
				SW-846 9251 (Total)		06/27/2023 17:19
23060419-022B	VER-038	06/20/2023 15:08	06/21/2023 11:15			
				Standard Methods 2320 B (Dissolved) 1997, 2011		06/27/2023 8:35
				Standard Methods 2320 B (Dissolved) 1997, 2011		06/27/2023 8:35
				Standard Methods 4500-NO2 B (Dissolved) 2000, 2011		06/21/2023 23:42
				Standard Methods 4500-NO3 F (Dissolved) 2000, 2011		06/21/2023 18:49
				Standard Methods 4500-NO3 F (Dissolved) 2000, 2011		06/21/2023 18:49
				Standard Methods 4500-P E (Dissolved) 1999, 2011		06/22/2023 11:16
				Standard Methods 4500-P E (Dissolved) 1999		06/22/2023 11:16
				SW-846 9036 (Dissolved)		06/23/2023 16:44
				SW-846 9251 (Dissolved)		06/23/2023 16:46
23060419-022C	VER-038	06/20/2023 15:08	06/21/2023 11:15			
				SW-846 3005A, 6010B, Metals by ICP (Total)	06/21/2023 17:13	06/22/2023 17:45
				SW-846 3005A, 6020A, Metals by ICPMS (Total)	06/21/2023 17:13	06/22/2023 15:54
				SW-846 3005A, 6020A, Metals by ICPMS (Total)	06/21/2023 17:13	06/23/2023 9:49
				SW-846 3005A, 6020A, Metals by ICPMS (Total)	06/21/2023 17:13	06/26/2023 18:58
				SW-846 3005A, 6020A, Metals by ICPMS (Total)	06/21/2023 17:13	06/27/2023 12:17
				SW-846 7470A (Total)	06/27/2023 13:37	06/28/2023 9:55
23060419-022D	VER-038	06/20/2023 15:08	06/21/2023 11:15			
				SW-846 3005A, 6010B, Metals by ICP (Dissolved)	06/27/2023 13:31	06/28/2023 9:08
				SW-846 3005A, 6010B, Metals by ICP (Dissolved)	06/27/2023 13:31	06/29/2023 9:32
23060419-022E	VER-038	06/20/2023 15:08	06/21/2023 11:15			
				SW-846 9060		06/28/2023 12:09
23060419-022F	VER-038	06/20/2023 15:08	06/21/2023 11:15			
				SW-846 9060		06/26/2023 22:20
23060419-023A	VER-040	06/20/2023 13:42	06/21/2023 11:15			
				Ferrous Iron by CHEMets Kit		06/20/2023 13:42
				Field Elevation Measurements		06/20/2023 13:42



**Dates Report**

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2130 B Field				06/20/2023 13:42
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 13:42
	Standard Methods 2510 B Field				06/20/2023 13:42
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:04
	Standard Methods 2550 B Field				06/20/2023 13:42
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 1:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:56
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:56
	Standard Methods 4500-O G Field				06/20/2023 13:42
	Standard Methods 4500-P E 1999				06/28/2023 15:40
	Standard Methods 4500-P E 1999, 2011				06/28/2023 15:40
	SW-846 9036 (Total)				06/30/2023 10:10
	SW-846 9040B Field				06/20/2023 13:42
	SW-846 9214 (Total)				06/28/2023 10:33
	SW-846 9251 (Total)				06/29/2023 22:52
23060419-023B	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:43
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 1:00
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 12:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 12:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/28/2023 15:40
	Standard Methods 4500-P E (Dissolved) 1999				06/28/2023 15:40
	SW-846 9036 (Dissolved)				06/29/2023 15:25
	SW-846 9251 (Dissolved)				06/23/2023 17:08
23060419-023C	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:10
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/27/2023 15:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 16:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 9:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 19:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 13:36
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:57
23060419-023D	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:09
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 17:09
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 9:32



**Dates Report**

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**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060419-023E	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	SW-846 9060				06/28/2023 12:22
23060419-023F	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	SW-846 9060				06/26/2023 22:26
23060419-024A	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	Ferrous Iron by CHEMets Kit				06/21/2023 12:08
	Field Elevation Measurements				06/21/2023 12:08
	Standard Methods 2130 B Field				06/21/2023 12:08
	Standard Methods 18th Ed. 2580 B Field				06/21/2023 12:08
	Standard Methods 2510 B Field				06/21/2023 12:08
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:04
	Standard Methods 2550 B Field				06/21/2023 12:08
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 10:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 11:15
	Standard Methods 4500-O G Field				06/21/2023 12:08
	Standard Methods 4500-P E 1999				06/22/2023 14:08
	Standard Methods 4500-P E 1999, 2011				06/22/2023 14:08
	SW-846 9036 (Total)				06/29/2023 16:07
	SW-846 9040B Field				06/21/2023 12:08
	SW-846 9214 (Total)				06/28/2023 10:35
	SW-846 9251 (Total)				06/27/2023 17:54
23060419-024B	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:45
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/22/2023 10:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:48
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/22/2023 11:48
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 14:08
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 14:08
	SW-846 9036 (Dissolved)				06/23/2023 17:18
	SW-846 9251 (Dissolved)				06/23/2023 17:29
23060419-024C	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/23/2023 17:52
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 14:02	06/27/2023 11:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/23/2023 14:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/22/2023 14:02	06/26/2023 16:48



**Dates Report**

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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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)			06/22/2023 14:02	06/27/2023 11:32
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 9:59
23060419-024D	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:10
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:00
23060419-024E	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	SW-846 9060				06/28/2023 12:28
23060419-024F	VER-041	06/21/2023 12:08	06/21/2023 16:56		
	SW-846 9060				06/26/2023 23:05
23060419-025A	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 12:32
	Field Elevation Measurements				06/20/2023 12:32
	Standard Methods 2130 B Field				06/20/2023 12:32
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 12:32
	Standard Methods 2510 B Field				06/20/2023 12:32
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:05
	Standard Methods 2550 B Field				06/20/2023 12:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:40
	Standard Methods 4500-O G Field				06/20/2023 12:32
	Standard Methods 4500-P E 1999				06/22/2023 11:22
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:22
	SW-846 9036 (Total)				06/27/2023 18:01
	SW-846 9040B Field				06/20/2023 12:32
	SW-846 9214 (Total)				06/28/2023 10:37
	SW-846 9251 (Total)				06/27/2023 17:57
23060419-025B	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:53
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 8:53
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:53
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:53
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:23
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:23
	SW-846 9036 (Dissolved)				06/23/2023 17:58
	SW-846 9251 (Dissolved)				06/23/2023 17:40





**Dates Report**

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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060419-025C	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 16:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 9:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 19:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 13:42
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 10:02
23060419-025D	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:11
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:00
23060419-025E	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	SW-846 9060				06/28/2023 12:34
23060419-025F	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	SW-846 9060				06/26/2023 23:11
23060419-026A	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 13:14
	Field Elevation Measurements				06/20/2023 13:14
	Standard Methods 2130 B Field				06/20/2023 13:14
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 13:14
	Standard Methods 2510 B Field				06/20/2023 13:14
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:05
	Standard Methods 2550 B Field				06/20/2023 13:14
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:43
	Standard Methods 4500-O G Field				06/20/2023 13:14
	Standard Methods 4500-P E 1999				06/22/2023 11:24
	Standard Methods 4500-P E 1999, 2011				06/22/2023 11:24
	SW-846 9036 (Total)				06/27/2023 18:03
	SW-846 9040B Field				06/20/2023 13:14
	SW-846 9214 (Total)				06/28/2023 10:39
	SW-846 9251 (Total)				06/27/2023 18:10
23060419-026B	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:08
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:08
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:44
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 18:56



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**Report Date:** 20-Jul-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				06/21/2023 18:56
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 11:25
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 11:25
	SW-846 9036 (Dissolved)				06/23/2023 18:00
	SW-846 9251 (Dissolved)				06/23/2023 18:06
23060419-026C	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 16:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 10:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 19:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 13:48
	SW-846 7470A (Total)			06/27/2023 13:37	06/28/2023 10:13
23060419-026D	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:11
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:01
23060419-026E	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	SW-846 9060				06/28/2023 12:41
23060419-026F	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	SW-846 9060				06/26/2023 23:18
23060419-031A	VER-101#S	06/19/2023 13:18	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:18
23060419-032A	VER-101&	06/20/2023 13:57	06/21/2023 11:15		
	Field Elevation Measurements				06/20/2023 13:57
	Standard Methods 2130 B Field				06/20/2023 13:57
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 13:57
	Standard Methods 2510 B Field				06/20/2023 13:57
	Standard Methods 2550 B Field				06/20/2023 13:57
	Standard Methods 4500-O G Field				06/20/2023 13:57
	SW-846 9040B Field				06/20/2023 13:57
23060419-033A	VER-102#S	06/19/2023 13:14	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:14
23060419-034A	VER-102&	06/19/2023 13:15	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:15
23060419-035A	VER-103#S	06/19/2023 13:27	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:27
23060419-036A	VER-103&	06/19/2023 13:29	06/21/2023 16:56		



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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Field Elevation Measurements				06/19/2023 13:29
23060419-037A	VER-104#S	06/19/2023 13:08	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:08
23060419-038A	VER-104&	06/19/2023 13:07	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:07
23060419-039A	VER-105#S	06/19/2023 13:32	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:32
23060419-040A	VER-105&	06/19/2023 13:34	06/21/2023 16:56		
	Field Elevation Measurements				06/19/2023 13:34
23060419-041A	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 11:35
	Field Elevation Measurements				06/20/2023 11:35
	Standard Methods 2130 B Field				06/20/2023 11:35
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 11:35
	Standard Methods 2320 B (Total) 1997, 2011				06/27/2023 10:39
	Standard Methods 2320 B 1997, 2011				06/27/2023 10:39
	Standard Methods 2510 B Field				06/20/2023 11:35
	Standard Methods 2540 C (Total) 1997, 2011				06/22/2023 10:30
	Standard Methods 2550 B Field				06/20/2023 11:35
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:08
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 17:49
	Standard Methods 4500-O G Field				06/20/2023 11:35
	Standard Methods 4500-P E 1999				06/22/2023 9:09
	Standard Methods 4500-P E 1999, 2011				06/22/2023 9:09
	SW-846 9036 (Total)				06/29/2023 16:13
	SW-846 9040B Field				06/20/2023 11:35
	SW-846 9214 (Total)				06/28/2023 10:47
	SW-846 9251 (Total)				06/27/2023 19:06
23060419-041B	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:16
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:16
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:56
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:22
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 9:19
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 9:19



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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 9036 (Dissolved)				06/23/2023 14:07
	SW-846 9251 (Dissolved)				06/22/2023 22:43
23060419-041C	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 18:08
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 17:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 10:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 20:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 17:51
	SW-846 7470A (Total)			06/27/2023 13:40	06/28/2023 10:26
23060419-041D	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:34
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 17:19
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:16
23060419-041E	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	SW-846 9060				06/28/2023 15:19
23060419-041F	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	SW-846 9060				06/27/2023 0:40
23060419-043A	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	Ferrous Iron by CHEMets Kit				06/20/2023 10:52
	Field Elevation Measurements				06/20/2023 10:52
	Standard Methods 2130 B Field				06/20/2023 10:52
	Standard Methods 18th Ed. 2580 B Field				06/20/2023 10:52
	Standard Methods 2320 B (Total) 1997, 2011				06/27/2023 10:44
	Standard Methods 2320 B 1997, 2011				06/27/2023 10:44
	Standard Methods 2510 B Field				06/20/2023 10:52
	Standard Methods 2540 C (Total) 1997, 2011				06/22/2023 10:30
	Standard Methods 2550 B Field				06/20/2023 10:52
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:09
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/22/2023 10:40
	Standard Methods 4500-O G Field				06/20/2023 10:52
	Standard Methods 4500-P E 1999				06/22/2023 9:20
	Standard Methods 4500-P E 1999, 2011				06/22/2023 9:20
	SW-846 9036 (Total)				06/29/2023 16:15
	SW-846 9040B Field				06/20/2023 10:52
	SW-846 9214 (Total)				06/28/2023 10:57



**Dates Report**

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9251 (Total)				06/27/2023 19:27
23060419-043B	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:22
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:22
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:56
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:24
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/22/2023 9:21
	Standard Methods 4500-P E (Dissolved) 1999				06/22/2023 9:21
	SW-846 9036 (Dissolved)				06/23/2023 14:32
	SW-846 9251 (Dissolved)				06/22/2023 23:08
23060419-043C	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 18:13
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 17:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 10:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 20:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 15:30
	SW-846 7470A (Total)			06/27/2023 13:40	06/28/2023 10:29
23060419-043D	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:35
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 17:24
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:17
23060419-043E	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	SW-846 9060				06/28/2023 15:24
23060419-043F	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	SW-846 9060				06/27/2023 0:46
23060419-044A	VER-YSG01	06/20/2023 9:20	06/21/2023 16:56		
	Field Elevation Measurements				06/20/2023 9:20
23060419-045A	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	Standard Methods 2320 B (Total) 1997, 2011				06/27/2023 11:10
	Standard Methods 2320 B 1997, 2011				06/27/2023 11:10
	Standard Methods 2540 C (Total) 1997, 2011				06/23/2023 11:59
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/22/2023 0:09
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 18:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/21/2023 18:07
	Standard Methods 4500-P E 1999				06/28/2023 15:42



**Dates Report**

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**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-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				06/28/2023 15:42
	SW-846 9036 (Total)				06/29/2023 16:21
	SW-846 9214 (Total)				06/28/2023 10:59
	SW-846 9251 (Total)				06/27/2023 19:35
23060419-045B	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:28
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/27/2023 10:28
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/21/2023 23:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/21/2023 19:26
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/28/2023 15:42
	Standard Methods 4500-P E (Dissolved) 1999				06/28/2023 15:42
	SW-846 9036 (Dissolved)				06/23/2023 18:17
	SW-846 9251 (Dissolved)				06/23/2023 18:17
23060419-045C	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/22/2023 17:55
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 17:13	06/26/2023 19:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/22/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/23/2023 10:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/26/2023 20:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/21/2023 17:13	06/27/2023 16:32
	SW-846 7470A (Total)			06/27/2023 13:40	06/28/2023 10:31
23060419-045D	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/28/2023 9:36
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/27/2023 13:31	06/29/2023 10:36
23060419-045E	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	SW-846 9060				06/28/2023 15:38
23060419-045F	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	SW-846 9060				06/27/2023 0:53



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

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### STANDARD METHODS 2510 B FIELD

Batch R330862 SampType: LCS Units  $\mu\text{S/cm}$

SampID: LCS-R330862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	06/20/2023
Spec. Conductance, Field	*	0		1420	1412	0	100.7	90	110	06/21/2023
Spec. Conductance, Field	*	0		1420	1412	0	100.9	90	110	06/29/2023
Spec. Conductance, Field	*	0		1430	1412	0	101.4	90	110	06/20/2023

### SW-846 9040B FIELD

Batch R330862 SampType: LCS Units

SampID: LCS-R330862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	06/20/2023
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	06/20/2023
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	06/21/2023
pH	*	1.00		7.04	7.000	0	100.6	98.57	101.4	06/29/2023

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

Batch R330711 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	06/22/2023

Batch R330711 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		956	1000	0	95.6	90	110	06/22/2023

Batch R330711 SampType: DUP Units mg/L

SampID: 23060419-043ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		2850				3126	9.31	06/22/2023

Batch R330769 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	06/23/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	06/23/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

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

Batch R330769		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		944	1000	0	94.4	90	110	06/23/2023	
Total Dissolved Solids		20		958	1000	0	95.8	90	110	06/23/2023	

Batch R330769		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-011ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		408				416.0	1.94	06/23/2023		

Batch R331164		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	07/03/2023	

Batch R331164		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		946	1000	0	94.6	90	110	07/03/2023	

Batch R331164		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-019ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		3430				3368	1.77	07/03/2023		

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

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	85	115	06/21/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-001BMDS												
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	101.4	0.5040	0.59	06/21/2023		





## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115	06/22/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-003BMSD												
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	99.2	0.4690	5.60	06/22/2023		

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-004BMS											
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	105.6	85	115	06/21/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.2	0.5280	0.57	06/21/2023		

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-005BMS											
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	105.0	85	115	06/21/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-005BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.8	0.5250	1.70	06/21/2023		

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	107.0	85	115	06/21/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-011BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	105.8	0.5350	1.13	06/21/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R331056		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.43	0.5000	0	86.6	85	115	06/30/2023	

Batch R331056		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-019BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.43	0.5000	0	86.8	0.4330	0.23	06/30/2023		

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

Batch R330592		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	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	06/21/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	06/21/2023	

Batch R330592		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	
Nitrogen, Nitrite (as N)		0.25		0.65	0.6510	0	99.8	90	110	06/21/2023	
Nitrogen, Nitrite (as N)		0.25		0.65	0.6510	0	99.8	90	110	06/21/2023	

Batch R330592		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0.006000	93.4	85	115	06/22/2023	

Batch R330592		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-002AMSD												
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	0.006000	97.6	0.4730	4.34	06/22/2023		

Batch R331056		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	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	06/30/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	06/30/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R331056		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	
Nitrogen, Nitrite (as N)		0.25		0.64	0.6510	0	97.5	90	110	06/30/2023	
Nitrogen, Nitrite (as N)		0.25		0.64	0.6510	0	97.5	90	110	06/30/2023	

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

Batch R330622		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.293	0.2500	0.06300	92.0	85	115	06/21/2023	

Batch R330622		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 23060419-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.289	0.2500	0.06300	90.4	0.2930	1.37	06/21/2023	

Batch R330622		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-026BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.235	0.2500	0	94.0	85	115	06/21/2023	

Batch R330622		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 23060419-026BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.235	0.2500	0	94.0	0.2350	0.00	06/21/2023	

Batch R330662		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.216	0.2500	0	86.4	85	115	06/22/2023	

Batch R330662		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 23060419-020BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	R	0.253	0.2500	0	101.2	0.2160	15.78	06/22/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R330622		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						06/21/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	06/21/2023	

Batch R330622		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.527	0.5000	0	105.4	90	110	06/21/2023	

Batch R330622		SampType: MS		Units mg/L							
SampID: 23060419-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.988	0.2500	0.7280	104.0	85	115	06/21/2023	

Batch R330622		SampType: MSD		Units mg/L							
SampID: 23060419-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.984	0.2500	0.7280	102.4	0.9880	0.41	06/21/2023	

Batch R330622		SampType: MS		Units mg/L							
SampID: 23060419-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.26	0.5000	0.7900	94.4	85	115	06/21/2023	

Batch R330622		SampType: MSD		Units mg/L							
SampID: 23060419-022AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.27	0.5000	0.7900	96.6	1.262	0.87	06/21/2023	

Batch R330662		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						06/22/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	06/22/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R330662		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>0.529</b>	0.5000	0	105.8	90	110	06/22/2023	

Batch R330662		SampType: MS		Units mg/L							
SampID: 23060419-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.399</b>	0.2500	0.1550	97.6	85	115	06/22/2023	

Batch R330662		SampType: MSD		Units mg/L							
SampID: 23060419-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.403</b>	0.2500	0.1550	99.2	0.3990	1.00	06/22/2023	

Batch R330662		SampType: MS		Units mg/L							
SampID: 23060419-017AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.626</b>	0.2500	0.3820	97.6	85	115	06/22/2023	

Batch R330662		SampType: MSD		Units mg/L							
SampID: 23060419-017AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.629</b>	0.2500	0.3820	98.8	0.6260	0.48	06/22/2023	

Batch R330747		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-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	06/23/2023	

Batch R330747		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>0.485</b>	0.5000	0	97.0	90	110	06/23/2023	



**Quality Control Results**

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

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**Report Date:** 20-Jul-23

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

Batch R331192		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						07/05/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/05/2023	

Batch R331192		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.545	0.5000	0	109.0	90	110	07/05/2023	

Batch R331192		SampType: MS		Units mg/L							
SampID: 23060419-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	0.299	0.2500	0.04200	102.8	85	115	07/05/2023	

Batch R331192		SampType: MSD		Units mg/L							
SampID: 23060419-019AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	0.293	0.2500	0.04200	100.4	0.2990	2.03	07/05/2023	

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

Batch R330681		SampType: MS		Units mg/L							
SampID: 23060419-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		0.053	0.0500	0.007000	92.0	85	115	06/22/2023	

Batch R330681		SampType: MSD		Units mg/L							
SampID: 23060419-007BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		0.054	0.0500	0.007000	94.0	0.05300	1.87	06/22/2023	

Batch R330681		SampType: MS		Units mg/L							
SampID: 23060419-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		0.250	0.0500	0.1980	104.0	85	115	06/22/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch	R330681	SampType:	MSD	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-012BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Phosphorus, Orthophosphate (as P)	*	0.010	E	<b>0.253</b>	0.0500	0.1980	110.0	0.2500	1.19	06/22/2023		

Batch	R330681	SampType:	MS	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-028BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.045</b>	0.0500	0	90.0	85	115	06/22/2023		

Batch	R330681	SampType:	MSD	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-028BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.046</b>	0.0500	0	92.0	0.04500	2.20	06/22/2023		

Batch	R330682	SampType:	MS	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-006BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.100</b>	0.0500	0.04900	102.0	85	115	06/22/2023		

Batch	R330682	SampType:	MSD	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.102</b>	0.0500	0.04900	106.0	0.1000	1.98	06/22/2023		

Batch	R330682	SampType:	MS	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-027BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.044</b>	0.0500	0	88.0	85	115	06/22/2023		

Batch	R330682	SampType:	MSD	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-027BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.045</b>	0.0500	0	90.0	0.04400	2.25	06/22/2023		

Batch	R331137	SampType:	MS	Units mg/L			RPD Limit: 10					Date Analyzed
SampID: 23060419-019BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phosphorus, Orthophosphate (as P)	*	0.010	H	<b>0.080</b>	0.0500	0.03200	96.0	85	115	07/05/2023		



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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

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

Batch	R331137	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 23060419-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010	H	<b>0.079</b>	0.0500	0.03200	94.0	0.08000	1.26	07/05/2023	

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

Batch	R330681	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	06/22/2023	

Batch	R330681	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>0.094</b>	0.1000	0	94.0	90	110	06/22/2023	

Batch	R330681	SampType:	MS	Units mg/L							
SampID: 23060419-041AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.141</b>	0.0500	0.08600	110.0	85	115	06/22/2023	

Batch	R330681	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 23060419-041AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.143</b>	0.0500	0.08600	114.0	0.1410	1.41	06/22/2023	

Batch	R330682	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	06/22/2023	

Batch	R330682	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>0.090</b>	0.1000	0	90.0	90	110	06/22/2023	





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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch R330924		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		< 0.010	0.0020	0	0	-100	100	06/28/2023	

Batch R330924		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		0.095	0.1000	0	95.0	90	110	06/28/2023	

Batch R331137		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		< 0.010	0.0020	0	0	-100	100	07/05/2023	

Batch R331137		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		0.094	0.1000	0	94.0	90	110	07/05/2023	

### SW-846 9036 (DISSOLVED)

Batch R330765		SampType: MS		Units mg/L							
SampID: 23060419-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		422	200.0	233.1	94.3	85	115	06/23/2023	

Batch R330765		SampType: MSD		Units mg/L							
SampID: 23060419-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		423	200.0	233.1	95.0	421.7	0.32	06/23/2023	

Batch R330765		SampType: MS		Units mg/L							
SampID: 23060419-024BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	89.7	85	115	06/23/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9036 (DISSOLVED)

Batch R330765		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23060419-024BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		18	20.00	0	87.6	17.94	2.31	06/23/2023	

Batch R330765		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23060419-030BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		94	40.00	54.36	100.4	85	115	06/23/2023	

Batch R330765		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23060419-030BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		95	40.00	54.36	101.5	94.50	0.50	06/23/2023	

Batch R331244		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23060419-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		3130	2000	1345	89.5	85	115	07/06/2023	

Batch R331244		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23060419-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		1000		3160	2000	1345	91.0	3135	0.95	07/06/2023	

### SW-846 9036 (TOTAL)

Batch R330669		SampType: MBLK		Units mg/L				RPD Limit: 10			
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	06/22/2023	

Batch R330669		SampType: LCS		Units mg/L				RPD Limit: 10			
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	99.8	90	110	06/22/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9036 (TOTAL)

Batch R330765		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	06/23/2023	

Batch R330765		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	97.4	90	110	06/23/2023	

Batch R330886		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	06/27/2023	

Batch R330886		SampType: MBLK		Units mg/L							
SampID: MBLK-207511											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	J	6	7.620	0	82.5	-100	100	06/27/2023	

Batch R330886		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	96.1	90	110	06/27/2023	

Batch R330886		SampType: MS		Units mg/L							
SampID: 23060419-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		497	200.0	311.4	93.0	85	115	06/27/2023	

Batch R330886		SampType: MSD		Units mg/L							
SampID: 23060419-021AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100	E	501	200.0	311.4	94.7	497.5	0.66	06/27/2023	

Batch R330994		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	06/29/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9036 (TOTAL)

Batch R330994		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		19	20.00	0	97.2	90	110	06/29/2023	

Batch R330994		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500	S	1650	1000	862.0	78.8	85	115	06/29/2023	

Batch R330994		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500	S	1510	1000	862.0	64.5	1650	9.05	06/29/2023		

Batch R330994		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-028AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	82	40.00	52.48	72.8	85	115	06/29/2023	

Batch R330994		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060419-028AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		87	40.00	52.48	86.0	81.58	6.27	06/29/2023		

Batch R331031		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	06/30/2023	

Batch R331031		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		19	20.00	0	92.9	90	110	06/30/2023	

Batch R331031		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		996	400.0	552.5	110.8	85	115	06/30/2023	



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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9036 (TOTAL)

Batch R331031		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060419-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		200		<b>990</b>	400.0	552.5	109.5	995.8	0.53	06/30/2023	

Batch R331147		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	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	07/03/2023	

Batch R331147		SampType: LCS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>18</b>	20.00	0	91.6	90	110	07/03/2023	

Batch R331244		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	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	07/06/2023	

Batch R331244		SampType: LCS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	93.3	90	110	07/06/2023	

### SW-846 9060

Batch R330847		SampType: MBLK		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: Filter Blank											
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	06/26/2023	

Batch R330847		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	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/26/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9060

Batch R330847		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		4.8	5.000	0	95.8	90	110	06/26/2023	

Batch R330847		SampType: MS		Units mg/L							
SampID: 23060419-006FMS											
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	2.230	87.2	85	115	06/26/2023	

Batch R330847		SampType: MS		Units mg/L							
SampID: 23060419-006FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.7	5.000	2.230	89.0	6.590	1.36	06/26/2023	

Batch R330847		SampType: MS		Units mg/L							
SampID: 23060419-011EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.1	5.000	0.5800	89.6	85	115	06/27/2023	

Batch R330847		SampType: MSD		Units mg/L							
SampID: 23060419-011EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.0	5.000	0.5800	88.8	5.060	0.79	06/27/2023	

Batch R330847		SampType: MS		Units mg/L							
SampID: 23060419-013FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		4.9	5.000	0.5000	87.6	85	115	06/26/2023	

Batch R330847		SampType: MSD		Units mg/L							
SampID: 23060419-013FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		5.0	5.000	0.5000	90.8	4.880	3.23	06/26/2023	

Batch R330847		SampType: MS		Units mg/L							
SampID: 23060419-026FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		7.4	5.000	2.840	92.0	85	115	06/26/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9060

Batch R330847		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060419-026FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		7.6	5.000	2.840	94.6	7.440	1.73	06/26/2023	

Batch R330847		SampType: MS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060419-030FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		4.4	5.000	0	88.6	85	115	06/26/2023	

Batch R330847		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060419-030FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		4.4	5.000	0	88.2	4.430	0.45	06/27/2023	

Batch R330941		SampType: MBLK		Units mg/L				RPD Limit: 10			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	06/28/2023	

Batch R330941		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	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/28/2023	

Batch R330941		SampType: MBLK		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: MB-R330941											
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	0	0	06/28/2023	

Batch R330941		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	Date Analyzed	
Total Organic Carbon (TOC)		5.0		21.1	21.60	0	97.7	90	110	06/28/2023	

Batch R330941		SampType: LCS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: LCS-R330941											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		5.0		21.1	21.60	0	97.7	90	110	06/28/2023	



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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9060

Batch R330941		SampType: MS		Units mg/L							Date
SampID: 23060419-001FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Dissolved Organic Carbon		1.0	E	11.8	5.000	7.110	94.6	85	115		06/28/2023

Batch R330941		SampType: MSD		Units mg/L		RPD Limit: 10					Date
SampID: 23060419-001FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Dissolved Organic Carbon		1.0	E	11.8	5.000	7.110	94.2	11.84	0.17		06/28/2023

Batch R330941		SampType: MS		Units mg/L							Date
SampID: 23060419-005EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.280	98.0	85	115		06/28/2023

Batch R330941		SampType: MSD		Units mg/L		RPD Limit: 10					Date
SampID: 23060419-005EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		6.1	5.000	1.280	97.2	6.180	0.65		06/28/2023

Batch R330941		SampType: MS		Units mg/L							Date
SampID: 23060419-027EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Organic Carbon (TOC)		1.0		6.3	5.000	1.590	94.0	85	115		06/28/2023

Batch R330941		SampType: MSD		Units mg/L		RPD Limit: 10					Date
SampID: 23060419-027EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		6.3	5.000	1.590	94.0	6.290	0.00		06/28/2023

Batch R330941		SampType: MS		Units mg/L							Date
SampID: 23060419-030EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Organic Carbon (TOC)		1.0	S	4.5	5.000	0.5400	79.4	85	115		06/28/2023

Batch R330941		SampType: MSD		Units mg/L		RPD Limit: 10					Date
SampID: 23060419-030EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		4.8	5.000	0.5400	85.8	4.510	6.85		06/28/2023





## Quality Control Results

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Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9060

Batch R331171		SampType: MBLK		Units mg/L							
SampID: Filter Blank											
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	07/05/2023	

Batch R331171		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	07/05/2023	

Batch R331171		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)		5.0		20.7	21.60	0	96.0	90	110	07/05/2023	

Batch R331171		SampType: MS		Units mg/L							
SampID: 23060419-019FMS											
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	0.8300	78.4	85	115	07/05/2023	

Batch R331171		SampType: MSD		Units mg/L							
SampID: 23060419-019FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0	S	4.7	5.000	0.8300	77.2	4.750	1.27	07/05/2023	

Batch R331600		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	07/13/2023	

Batch R331600		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)		5.0		20.2	21.60	0	93.4	90	110	07/13/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9214 (TOTAL)

Batch R330906		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	06/28/2023	

Batch R330906		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		0.95	1.000	0	95.2	90	110	06/28/2023	

Batch R330906		SampType: MS		Units mg/L							
SampID: 23060419-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.15	2.000	0.1470	100.3	75	125	06/28/2023	

Batch R330906		SampType: MSD		Units mg/L							
SampID: 23060419-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.13	2.000	0.1470	99.2	2.153	1.03	06/28/2023	

Batch R330906		SampType: MS		Units mg/L							
SampID: 23060419-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.18	2.000	0.1370	102.2	75	125	06/28/2023	

Batch R330906		SampType: MSD		Units mg/L							
SampID: 23060419-007AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.19	2.000	0.1370	102.4	2.181	0.23	06/28/2023	

Batch R330906		SampType: MS		Units mg/L							
SampID: 23060419-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3800	103.6	75	125	06/28/2023	

Batch R330906		SampType: MSD		Units mg/L							
SampID: 23060419-022AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.36	2.000	0.3800	99.2	2.451	3.57	06/28/2023	



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

**SW-846 9214 (TOTAL)**

Batch R330906		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-041AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.24</b>	2.000	0.2390	99.8	75	125	06/28/2023	

Batch R330906		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23060419-041AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		<b>2.31</b>	2.000	0.2390	103.4	2.235	3.13	06/28/2023		

Batch R331110		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		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	07/03/2023	

Batch R331110		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		<b>0.92</b>	1.000	0	92.0	90	110	07/03/2023	

Batch R331110		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.82</b>	2.000	0.7430	103.8	75	125	07/03/2023	

Batch R331110		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23060419-019AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		<b>2.78</b>	2.000	0.7430	102.0	2.820	1.28	07/03/2023		

**SW-846 9251 (DISSOLVED)**

Batch R330776		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>27</b>	20.00	7.210	97.9	85	115	06/23/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9251 (DISSOLVED)

Batch R330776		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060419-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		27	20.00	7.210	97.8	26.79	0.07	06/23/2023	

Batch R330776		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060419-024BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		247	200.0	51.64	97.6	85	115	06/23/2023	

Batch R330776		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060419-024BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		252	200.0	51.64	100.3	246.8	2.18	06/23/2023	

Batch R330776		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060419-030BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		1660	1000	748.7	91.0	85	115	06/24/2023	

Batch R330776		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060419-030BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		200		1660	1000	748.7	91.6	1659	0.31	06/24/2023	

Batch R331159		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060419-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40	E	674	200.0	485.1	94.4	85	115	07/03/2023	

Batch R331159		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060419-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40	E	677	200.0	485.1	95.9	673.8	0.46	07/03/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9251 (TOTAL)

Batch R330699		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	06/22/2023	

Batch R330699		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	100.7	90	110	06/22/2023	

Batch R330776		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	06/23/2023	

Batch R330776		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	101.2	90	110	06/23/2023	

Batch R330904		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		1		< 1	0.5000	0	0	-100	100	06/27/2023	

Batch R330904		SampType: MBLK		Units mg/L							
SampID: MBLK-207511											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		< 1	0.5000	0	0	-100	100	06/27/2023	

Batch R330904		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		1		21	20.00	0	104.8	90	110	06/27/2023	

Batch R330904		SampType: MS		Units mg/L							
SampID: 23060419-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		45	20.00	27.32	87.2	85	115	06/27/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9251 (TOTAL)

Batch R330904		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-010AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		1		45	20.00	27.32	87.1	44.76	0.07	06/27/2023	

Batch R330904		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		10		240	200.0	39.11	100.4	85	115	06/27/2023	

Batch R330904		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-021AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		10		240	200.0	39.11	100.4	239.9	0.05	06/27/2023	

Batch R331001		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	06/29/2023	

Batch R331001		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	97.6	90	110	06/29/2023	

Batch R331001		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		44	20.00	26.55	88.5	85	115	06/29/2023	

Batch R331001		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		45	20.00	26.55	91.8	44.25	1.48	06/29/2023	

Batch R331001		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23060419-028AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		80	S	906	400.0	573.2	83.2	85	115	06/29/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 9251 (TOTAL)

Batch R331001		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060419-028AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		80	S	891	400.0	573.2	79.4	906.2	1.71	06/29/2023	

Batch R331032		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	06/30/2023	

Batch R331032		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	101.0	90	110	06/30/2023	

Batch R331159		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	07/03/2023	

Batch R331159		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	99.6	90	110	07/03/2023	

Batch R331275		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	07/06/2023	

Batch R331275		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	102.5	90	110	07/06/2023	



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207608 SampType: MBLK Units mg/L  
 SampID: MBLK-207608

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	06/22/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/22/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/22/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/22/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/22/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/22/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/22/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/22/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/22/2023

Batch 207608 SampType: LCS Units mg/L  
 SampID: LCS-207608

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.86	2.000	0	93.1	85	115	06/22/2023
Boron		0.0200		0.478	0.5000	0	95.6	85	115	06/22/2023
Calcium		0.100		2.49	2.500	0	99.5	85	115	06/22/2023
Iron		0.0400		1.92	2.000	0	95.9	85	115	06/22/2023
Magnesium		0.0500		2.36	2.500	0	94.4	85	115	06/22/2023
Manganese		0.0070		0.484	0.5000	0	96.9	85	115	06/22/2023
Potassium		0.100		2.51	2.500	0	100.3	85	115	06/22/2023
Silicon	*	0.0500		0.475	0.5000	0	95.0	85	115	06/22/2023
Sodium		0.0500		2.44	2.500	0	97.4	85	115	06/22/2023

Batch 207608 SampType: MS Units mg/L  
 SampID: 23060419-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.85	2.000	0	92.3	75	125	06/22/2023
Calcium		0.100	S	91.6	2.500	91.80	-8.0	75	125	06/22/2023
Iron		0.0400		1.89	2.000	0	94.3	75	125	06/22/2023
Magnesium		0.0500	S	21.8	2.500	20.00	71.8	75	125	06/22/2023
Manganese		0.0070		0.832	0.5000	0.3634	93.8	75	125	06/22/2023
Potassium		0.100		9.53	2.500	7.499	81.2	75	125	06/22/2023
Silicon	*	0.0500	S	4.90	0.5000	4.541	72.5	75	125	06/22/2023
Sodium		0.0500	S	20.5	2.500	18.94	64.0	75	125	06/22/2023





## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207608		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060419-004DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		1.84	2.000	0	91.8	1.847	0.62	06/22/2023	
Calcium		0.100	S	92.1	2.500	91.80	10.8	91.60	0.51	06/22/2023	
Iron		0.0400		1.87	2.000	0	93.3	1.886	1.03	06/22/2023	
Magnesium		0.0500	S	21.7	2.500	20.00	67.6	21.80	0.48	06/22/2023	
Manganese		0.0070		0.829	0.5000	0.3634	93.1	0.8324	0.43	06/22/2023	
Potassium		0.100		9.55	2.500	7.499	82.2	9.529	0.26	06/22/2023	
Silicon	*	0.0500		4.92	0.5000	4.541	75.1	4.903	0.27	06/22/2023	
Sodium		0.0500	S	20.7	2.500	18.94	68.8	20.54	0.58	06/22/2023	

Batch 207608		SampType: MS		Units mg/L						Date Analyzed
SampID: 23060419-005DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.89	2.000	0.02760	93.0	75	125	06/22/2023
Calcium		0.100	S	654	2.500	656.8	-119.6	75	125	06/22/2023
Iron		0.0400		3.12	2.000	1.132	99.4	75	125	06/22/2023
Magnesium		0.0500		32.2	2.500	30.13	82.8	75	125	06/22/2023
Manganese		0.0070		0.973	0.5000	0.5023	94.1	75	125	06/22/2023
Potassium		1.00		60.7	2.500	58.68	81.4	75	125	06/26/2023
Silicon	*	0.0500		3.45	0.5000	2.985	93.6	75	125	06/22/2023
Sodium		0.0500		39.8	2.500	37.85	77.6	75	125	06/22/2023

Batch 207608		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060419-005DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		1.90	2.000	0.02760	93.5	1.888	0.50	06/22/2023	
Calcium		0.100	S	654	2.500	656.8	-105.6	653.8	0.05	06/22/2023	
Iron		0.0400		3.13	2.000	1.132	99.9	3.120	0.32	06/22/2023	
Magnesium		0.0500		32.1	2.500	30.13	77.8	32.20	0.39	06/22/2023	
Manganese		0.0070		0.970	0.5000	0.5023	93.6	0.9726	0.22	06/22/2023	
Potassium		1.00	S	60.1	2.500	58.68	55.8	60.71	1.06	06/26/2023	
Silicon	*	0.0500		3.45	0.5000	2.985	93.0	3.453	0.10	06/22/2023	
Sodium		0.0500		39.8	2.500	37.85	79.6	39.79	0.13	06/22/2023	



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207711 SampType: MBLK Units mg/L  
 SampID: MBLK-207711

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	06/26/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/26/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/26/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/26/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/26/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/26/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/26/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/27/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/26/2023

Batch 207711 SampType: LCS Units mg/L  
 SampID: LCS-207711

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.75	2.000	0	87.3	85	115	06/26/2023
Boron		0.0200		0.445	0.5000	0	89.1	85	115	06/26/2023
Calcium		0.100		2.33	2.500	0	93.3	85	115	06/26/2023
Iron		0.0400		1.84	2.000	0	92.0	85	115	06/26/2023
Magnesium		0.0500		2.18	2.500	0	87.2	85	115	06/26/2023
Manganese		0.0070		0.438	0.5000	0	87.5	85	115	06/26/2023
Potassium		0.100		2.51	2.500	0	100.3	85	115	06/26/2023
Silicon	*	0.0500		0.444	0.5000	0	88.8	85	115	06/27/2023
Sodium		0.0500		2.31	2.500	0	92.5	85	115	06/26/2023

Batch 207711 SampType: MS Units mg/L  
 SampID: 23060419-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.82	2.000	0	91.2	75	125	06/26/2023
Calcium		0.100	S	241	2.500	230.7	425.2	75	125	06/26/2023
Iron		0.0400		2.04	2.000	0.1304	95.5	75	125	06/26/2023
Magnesium		0.0500		27.6	2.500	24.85	111.0	75	125	06/26/2023
Manganese		0.0070		0.587	0.5000	0.1547	86.5	75	125	06/26/2023
Potassium		0.500	S	23.2	2.500	21.49	69.7	75	125	06/27/2023
Silicon	*	0.0500		2.97	0.5000	2.532	87.9	75	125	06/27/2023
Sodium		0.0500	S	37.7	2.500	34.13	143.6	75	125	06/26/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207711		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060419-006DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		<b>1.81</b>	2.000	0	90.6	1.824	0.60	06/26/2023	
Calcium		0.100	S	<b>239</b>	2.500	230.7	346.4	241.4	0.82	06/26/2023	
Iron		0.0400		<b>2.03</b>	2.000	0.1304	95.0	2.040	0.49	06/26/2023	
Magnesium		0.0500		<b>27.5</b>	2.500	24.85	107.1	27.63	0.35	06/26/2023	
Manganese		0.0070		<b>0.585</b>	0.5000	0.1547	86.1	0.5871	0.36	06/26/2023	
Potassium		0.500		<b>23.6</b>	2.500	21.49	83.6	23.24	1.48	06/27/2023	
Silicon	*	0.0500		<b>2.96</b>	0.5000	2.532	85.2	2.972	0.46	06/27/2023	
Sodium		0.0500	S	<b>37.5</b>	2.500	34.13	133.2	37.72	0.69	06/26/2023	

Batch 207818		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MBLK-207818										
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	06/28/2023
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100	06/28/2023
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	06/29/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	06/28/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	06/28/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	06/28/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	06/28/2023
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	06/29/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	06/28/2023

Batch 207818		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-207818										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.82</b>	2.000	0	90.9	85	115	06/28/2023
Boron		0.0200		<b>0.441</b>	0.5000	0	88.1	85	115	06/28/2023
Calcium		0.100		<b>2.41</b>	2.500	0	96.4	85	115	06/29/2023
Iron		0.0400		<b>1.84</b>	2.000	0	91.8	85	115	06/28/2023
Magnesium		0.0500		<b>2.27</b>	2.500	0	90.9	85	115	06/28/2023
Manganese		0.0070		<b>0.454</b>	0.5000	0	90.7	85	115	06/28/2023
Potassium		0.100		<b>2.48</b>	2.500	0	99.0	85	115	06/28/2023
Silicon	*	0.0500		<b>0.472</b>	0.5000	0	94.5	85	115	06/29/2023
Sodium		0.0500		<b>2.31</b>	2.500	0	92.4	85	115	06/28/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207818		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-021DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		1.81	2.000	0.01280	89.7	75	125	06/28/2023	
Calcium		0.100	S	108	2.500	108.0	-12.4	75	125	06/29/2023	
Iron		0.0400		14.5	2.000	12.76	86.5	75	125	06/28/2023	
Magnesium		0.0500	S	58.4	2.500	57.78	26.6	75	125	06/28/2023	
Manganese		0.0070		0.543	0.5000	0.09350	89.9	75	125	06/28/2023	
Potassium		0.100		5.28	2.500	2.938	93.5	75	125	06/28/2023	
Silicon	*	0.0500	S	8.83	0.5000	8.594	47.8	75	125	06/29/2023	
Sodium		0.0500	S	86.7	2.500	86.44	11.2	75	125	06/28/2023	

Batch 207818		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-021DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		1.82	2.000	0.01280	90.1	1.807	0.43	06/28/2023		
Calcium		0.100	S	107	2.500	108.0	-32.0	107.7	0.46	06/29/2023		
Iron		0.0400		14.5	2.000	12.76	88.5	14.49	0.28	06/28/2023		
Magnesium		0.0500	S	58.7	2.500	57.78	36.3	58.45	0.41	06/28/2023		
Manganese		0.0070		0.540	0.5000	0.09350	89.2	0.5429	0.59	06/28/2023		
Potassium		0.100		5.25	2.500	2.938	92.6	5.277	0.46	06/28/2023		
Silicon	*	0.0500	S	8.83	0.5000	8.594	47.6	8.833	0.02	06/29/2023		
Sodium		0.0500	S	87.1	2.500	86.44	28.0	86.72	0.48	06/28/2023		

Batch 208013		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-208013											
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	07/03/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	07/03/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/03/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	07/03/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/03/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	07/03/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/03/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	07/03/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/03/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 208013		SampType: LCS		Units mg/L						
SampID: LCS-208013										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.77	2.000	0	88.4	85	115	07/03/2023
Boron		0.0200		0.454	0.5000	0	90.8	85	115	07/03/2023
Calcium		0.100		2.38	2.500	0	95.0	85	115	07/03/2023
Iron		0.0400		1.83	2.000	0	91.4	85	115	07/03/2023
Magnesium		0.0500		2.16	2.500	0	86.4	85	115	07/03/2023
Manganese		0.0070		0.451	0.5000	0	90.3	85	115	07/03/2023
Potassium		0.100		2.46	2.500	0	98.5	85	115	07/03/2023
Silicon	*	0.0500		0.476	0.5000	0	95.2	85	115	07/03/2023
Sodium		0.0500		2.29	2.500	0	91.6	85	115	07/03/2023

Batch 208013		SampType: MS		Units mg/L						
SampID: 23060419-019DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.89	2.000	0	94.7	75	125	07/03/2023
Boron		0.0200		2.14	0.5000	1.702	86.6	75	125	07/03/2023
Calcium		0.100	S	88.5	2.500	87.98	20.4	75	125	07/03/2023
Iron		0.0400		3.79	2.000	1.843	97.3	75	125	07/03/2023
Magnesium		0.0500	S	75.3	2.500	74.88	17.1	75	125	07/03/2023
Manganese		0.0070		0.486	0.5000	0.02980	91.2	75	125	07/03/2023
Potassium		1.00		11.2	2.500	8.568	106.0	75	125	07/05/2023
Silicon	*	0.0500		5.88	0.5000	5.464	83.5	75	125	07/03/2023
Sodium		5.00	S	949	2.500	955.8	-274.8	75	125	07/03/2023

Batch 208013		SampType: MSD		Units mg/L							RPD Limit: 20	
SampID: 23060419-019DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		1.86	2.000	0	93.0	1.893	1.76	07/03/2023		
Boron		0.0200		2.13	0.5000	1.702	85.2	2.135	0.33	07/03/2023		
Calcium		0.100	S	88.6	2.500	87.98	25.6	88.49	0.15	07/03/2023		
Iron		0.0400		3.76	2.000	1.843	95.8	3.790	0.79	07/03/2023		
Magnesium		0.0500	S	75.6	2.500	74.88	30.3	75.30	0.43	07/03/2023		
Manganese		0.0070		0.475	0.5000	0.02980	89.0	0.4856	2.25	07/03/2023		
Potassium		1.00		11.0	2.500	8.568	96.6	11.22	2.10	07/05/2023		
Silicon	*	0.0500		5.88	0.5000	5.464	82.4	5.881	0.09	07/03/2023		
Sodium		5.00	S	931	2.500	955.8	-976.0	948.9	1.86	07/03/2023		



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207600 SampType: MBLK Units mg/L

SampleID: MBLK-207600

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	06/22/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/22/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/22/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/22/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/22/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/22/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/22/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/22/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/22/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/22/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/22/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/22/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/22/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/22/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/22/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/22/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/22/2023
Silicon	*	0.0500	JS	0.029	0.0122	0	234.4	-100	100	06/22/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/22/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/22/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207600 SampType: LCS Units mg/L

SampleID: LCS-207600

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.98</b>	2.000	0	98.8	85	115	06/22/2023
Antimony		0.0500		<b>0.504</b>	0.5000	0	100.8	85	115	06/22/2023
Arsenic		0.0250		<b>0.536</b>	0.5000	0	107.2	85	115	06/22/2023
Barium		0.0025		<b>2.03</b>	2.000	0	101.5	85	115	06/22/2023
Beryllium		0.0005		<b>0.0511</b>	0.0500	0	102.2	85	115	06/22/2023
Boron		0.0200		<b>0.507</b>	0.5000	0	101.3	85	115	06/22/2023
Cadmium		0.0020		<b>0.0503</b>	0.0500	0	100.6	85	115	06/22/2023
Calcium		0.100		<b>2.68</b>	2.500	0	107.2	85	115	06/22/2023
Chromium		0.0050		<b>0.203</b>	0.2000	0	101.3	85	115	06/22/2023
Cobalt		0.0050		<b>0.523</b>	0.5000	0	104.6	85	115	06/22/2023
Iron		0.0400		<b>2.11</b>	2.000	0	105.5	85	115	06/22/2023
Lead		0.0150		<b>0.513</b>	0.5000	0	102.6	85	115	06/22/2023
Magnesium		0.0500		<b>2.50</b>	2.500	0	100.1	85	115	06/22/2023
Manganese		0.0070		<b>0.517</b>	0.5000	0	103.4	85	115	06/22/2023
Molybdenum		0.0100		<b>0.497</b>	0.5000	0	99.4	85	115	06/22/2023
Potassium		0.100		<b>2.57</b>	2.500	0	103.0	85	115	06/22/2023
Selenium		0.0400		<b>0.505</b>	0.5000	0	101.1	85	115	06/22/2023
Silicon	*	0.0500	B	<b>0.505</b>	0.5000	0	101.1	85	115	06/22/2023
Sodium		0.0500		<b>2.53</b>	2.500	0	101.2	85	115	06/22/2023
Thallium		0.0500		<b>0.256</b>	0.2500	0	102.4	85	115	06/22/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207600		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>2.08</b>	2.000	0.03920	102.0	75	125	06/22/2023	
Arsenic		0.0250		<b>0.545</b>	0.5000	0	109.0	75	125	06/22/2023	
Barium		0.0025		<b>2.08</b>	2.000	0.02330	102.8	75	125	06/22/2023	
Beryllium		0.0005		<b>0.0518</b>	0.0500	0	103.6	75	125	06/22/2023	
Boron		0.200	S	<b>21.6</b>	0.5000	20.36	254.6	75	125	06/26/2023	
Cadmium		0.0020		<b>0.0508</b>	0.0500	0	101.6	75	125	06/22/2023	
Calcium		0.100	S	<b>99.5</b>	2.500	93.16	254.4	75	125	06/22/2023	
Chromium		0.0050		<b>0.203</b>	0.2000	0	101.7	75	125	06/22/2023	
Iron		0.0400		<b>2.20</b>	2.000	0.03870	108.1	75	125	06/22/2023	
Lead		0.0150		<b>0.505</b>	0.5000	0	101.0	75	125	06/22/2023	
Manganese		0.0070		<b>0.923</b>	0.5000	0.3863	107.3	75	125	06/22/2023	
Molybdenum		0.0100		<b>0.544</b>	0.5000	0.03960	100.9	75	125	06/22/2023	
Silicon	*	0.0500	BS	<b>5.56</b>	0.5000	4.849	142.6	75	125	06/22/2023	

Batch 207600		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		<b>2.09</b>	2.000	0.03920	102.5	2.080	0.48	06/22/2023		
Arsenic		0.0250		<b>0.552</b>	0.5000	0	110.5	0.5449	1.35	06/22/2023		
Barium		0.0025		<b>2.07</b>	2.000	0.02330	102.3	2.080	0.48	06/22/2023		
Beryllium		0.0005		<b>0.0518</b>	0.0500	0	103.6	0.05180	0.00	06/22/2023		
Boron		0.200	S	<b>21.6</b>	0.5000	20.36	246.0	21.63	0.20	06/26/2023		
Cadmium		0.0020		<b>0.0504</b>	0.0500	0	100.8	0.05080	0.79	06/22/2023		
Calcium		0.100	S	<b>99.7</b>	2.500	93.16	262.4	99.52	0.20	06/22/2023		
Chromium		0.0050		<b>0.203</b>	0.2000	0	101.5	0.2033	0.20	06/22/2023		
Iron		0.0400		<b>2.20</b>	2.000	0.03870	108.1	2.200	0.00	06/22/2023		
Lead		0.0150		<b>0.504</b>	0.5000	0	100.8	0.5049	0.18	06/22/2023		
Manganese		0.0070		<b>0.922</b>	0.5000	0.3863	107.1	0.9230	0.14	06/22/2023		
Molybdenum		0.0100		<b>0.544</b>	0.5000	0.03960	100.9	0.5440	0.04	06/22/2023		
Silicon	*	0.0500	BS	<b>5.58</b>	0.5000	4.849	145.8	5.562	0.28	06/22/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207600		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-041CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>2.39</b>	2.000	0.2538	106.8	75	125	06/22/2023	
Arsenic		0.0250		<b>0.709</b>	0.5000	0.1445	112.9	75	125	06/22/2023	
Barium		0.0025		<b>2.06</b>	2.000	0.02340	101.8	75	125	06/22/2023	
Beryllium		0.0005		<b>0.0520</b>	0.0500	0	104.0	75	125	06/22/2023	
Boron		0.200	S	<b>29.6</b>	0.5000	28.96	128.0	75	125	06/26/2023	
Cadmium		0.0020		<b>0.0482</b>	0.0500	0	96.4	75	125	06/22/2023	
Calcium		0.100	S	<b>306</b>	2.500	302.8	143.2	75	125	06/22/2023	
Chromium		0.0050		<b>0.203</b>	0.2000	0	101.5	75	125	06/22/2023	
Iron		0.0400		<b>2.32</b>	2.000	0.1206	110.0	75	125	06/22/2023	
Lead		0.0150		<b>0.508</b>	0.5000	0	101.5	75	125	06/22/2023	
Magnesium		0.0500		<b>57.6</b>	2.500	55.09	100.5	75	125	06/22/2023	
Manganese		0.0070		<b>0.554</b>	0.5000	0.03350	104.1	75	125	06/22/2023	
Molybdenum		0.0100		<b>0.698</b>	0.5000	0.1853	102.6	75	125	06/22/2023	
Potassium		1.00		<b>44.4</b>	2.500	41.53	114.9	75	125	06/26/2023	
Silicon	*	0.0500	BS	<b>3.43</b>	0.5000	2.778	130.5	75	125	06/22/2023	
Sodium		0.0500		<b>33.0</b>	2.500	30.45	103.2	75	125	06/22/2023	

Batch 207600		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-041CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		<b>2.47</b>	2.000	0.2538	110.8	2.390	3.29	06/22/2023		
Arsenic		0.0250		<b>0.716</b>	0.5000	0.1445	114.3	0.7092	0.98	06/22/2023		
Barium		0.0025		<b>2.05</b>	2.000	0.02340	101.3	2.060	0.49	06/22/2023		
Beryllium		0.0005		<b>0.0520</b>	0.0500	0	104.0	0.05200	0.00	06/22/2023		
Boron		0.200	S	<b>29.6</b>	0.5000	28.96	126.0	29.60	0.03	06/26/2023		
Cadmium		0.0020		<b>0.0483</b>	0.0500	0	96.6	0.04820	0.21	06/22/2023		
Calcium		0.100	S	<b>309</b>	2.500	302.8	263.6	306.4	0.98	06/22/2023		
Chromium		0.0050		<b>0.204</b>	0.2000	0	102.0	0.2030	0.44	06/22/2023		
Iron		0.0400		<b>2.41</b>	2.000	0.1206	114.5	2.320	3.81	06/22/2023		
Lead		0.0150		<b>0.509</b>	0.5000	0	101.9	0.5076	0.33	06/22/2023		
Magnesium		0.0500	S	<b>58.4</b>	2.500	55.09	131.2	57.60	1.32	06/22/2023		
Manganese		0.0070		<b>0.573</b>	0.5000	0.03350	108.0	0.5542	3.39	06/22/2023		
Molybdenum		0.0100		<b>0.698</b>	0.5000	0.1853	102.6	0.6984	0.03	06/22/2023		
Potassium		1.00		<b>44.5</b>	2.500	41.53	118.1	44.41	0.18	06/26/2023		
Silicon	*	0.0500	BS	<b>3.56</b>	0.5000	2.778	156.3	3.430	3.69	06/22/2023		
Sodium		0.0500		<b>33.4</b>	2.500	30.45	116.0	33.03	0.96	06/22/2023		



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207643 SampType: MBLK Units mg/L  
 SampID: MBLK-207643

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	06/23/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/27/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/27/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/23/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/27/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/23/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/27/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/23/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/27/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/27/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/27/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/27/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/27/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/27/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/27/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/27/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/23/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/27/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/23/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/27/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/23/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/27/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/27/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/23/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207643 SampType: LCS Units mg/L

SampleID: LCS-207643

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.01</b>	2.000	0	100.5	85	115	06/23/2023
Aluminum		0.0250		<b>1.93</b>	2.000	0	96.6	85	115	06/27/2023
Arsenic		0.0250		<b>0.518</b>	0.5000	0	103.6	85	115	06/27/2023
Barium		0.0025		<b>1.93</b>	2.000	0	96.5	85	115	06/27/2023
Beryllium		0.0005		<b>0.0491</b>	0.0500	0	98.2	85	115	06/27/2023
Beryllium		0.0005		<b>0.0471</b>	0.0500	0	94.2	85	115	06/23/2023
Boron		0.0200		<b>0.495</b>	0.5000	0	99.1	85	115	06/27/2023
Boron		0.0200		<b>0.491</b>	0.5000	0	98.1	85	115	06/23/2023
Cadmium		0.0020		<b>0.0476</b>	0.0500	0	95.2	85	115	06/27/2023
Calcium		0.100		<b>2.63</b>	2.500	0	105.4	85	115	06/27/2023
Chromium		0.0050		<b>0.184</b>	0.2000	0	92.0	85	115	06/23/2023
Chromium		0.0050		<b>0.193</b>	0.2000	0	96.7	85	115	06/27/2023
Iron		0.0400		<b>1.91</b>	2.000	0	95.4	85	115	06/23/2023
Iron		0.0400		<b>1.96</b>	2.000	0	98.1	85	115	06/27/2023
Lead		0.0150		<b>0.488</b>	0.5000	0	97.6	85	115	06/27/2023
Magnesium		0.0500		<b>2.36</b>	2.500	0	94.3	85	115	06/27/2023
Manganese		0.0070		<b>0.473</b>	0.5000	0	94.7	85	115	06/23/2023
Manganese		0.0070		<b>0.484</b>	0.5000	0	96.8	85	115	06/27/2023
Molybdenum		0.0100		<b>0.482</b>	0.5000	0	96.5	85	115	06/23/2023
Molybdenum		0.0100		<b>0.478</b>	0.5000	0	95.7	85	115	06/27/2023
Potassium		0.100		<b>2.68</b>	2.500	0	107.0	85	115	06/23/2023
Potassium		0.100		<b>2.61</b>	2.500	0	104.3	85	115	06/27/2023
Silicon	*	0.0500		<b>0.495</b>	0.5000	0	99.1	85	115	06/27/2023
Sodium		0.0500		<b>2.51</b>	2.500	0	100.3	85	115	06/27/2023
Sodium		0.0500		<b>2.57</b>	2.500	0	102.7	85	115	06/23/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207643		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>4.30</b>	2.000	2.320	99.0	75	125	06/23/2023	
Arsenic		0.0250		<b>0.540</b>	0.5000	0.01610	104.9	75	125	06/27/2023	
Barium		0.0025		<b>2.24</b>	2.000	0.3193	96.0	75	125	06/27/2023	
Beryllium		0.0005		<b>0.0485</b>	0.0500	0	97.0	75	125	06/23/2023	
Boron		0.200	S	<b>28.1</b>	0.5000	26.69	292.2	75	125	06/27/2023	
Cadmium		0.0020		<b>0.0472</b>	0.0500	0	94.4	75	125	06/27/2023	
Calcium		0.100	S	<b>172</b>	2.500	167.5	176.8	75	125	06/27/2023	
Chromium		0.0050		<b>0.190</b>	0.2000	0.004600	92.6	75	125	06/23/2023	
Iron		0.0400		<b>10.0</b>	2.000	7.960	103.0	75	125	06/23/2023	
Lead		0.0150		<b>0.486</b>	0.5000	0	97.2	75	125	06/27/2023	
Manganese		0.0070		<b>0.601</b>	0.5000	0.1135	97.4	75	125	06/23/2023	
Molybdenum		0.0100		<b>0.830</b>	0.5000	0.3225	101.5	75	125	06/23/2023	
Silicon	*	0.0500		<b>11.4</b>	0.5000	10.93	86.0	75	125	06/27/2023	

Batch 207643		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-002CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		<b>4.36</b>	2.000	2.320	102.0	4.300	1.39	06/23/2023		
Arsenic		0.0250		<b>0.535</b>	0.5000	0.01610	103.7	0.5404	1.06	06/27/2023		
Barium		0.0025		<b>2.21</b>	2.000	0.3193	94.5	2.240	1.35	06/27/2023		
Beryllium		0.0005		<b>0.0474</b>	0.0500	0	94.8	0.04850	2.29	06/23/2023		
Boron		0.200	S	<b>27.4</b>	0.5000	26.69	142.0	28.15	2.70	06/27/2023		
Cadmium		0.0020		<b>0.0461</b>	0.0500	0	92.2	0.04720	2.36	06/27/2023		
Calcium		0.100		<b>170</b>	2.500	167.5	103.2	171.9	1.08	06/27/2023		
Chromium		0.0050		<b>0.185</b>	0.2000	0.004600	90.3	0.1897	2.40	06/23/2023		
Iron		0.0400		<b>9.82</b>	2.000	7.960	93.0	10.02	2.02	06/23/2023		
Lead		0.0150		<b>0.477</b>	0.5000	0	95.4	0.4861	1.89	06/27/2023		
Manganese		0.0070		<b>0.586</b>	0.5000	0.1135	94.5	0.6007	2.51	06/23/2023		
Molybdenum		0.0100		<b>0.808</b>	0.5000	0.3225	97.2	0.8302	2.65	06/23/2023		
Silicon	*	0.0500		<b>11.3</b>	0.5000	10.93	75.9	11.36	0.45	06/27/2023		



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207664 SampType: MBLK Units mg/L  
 SampID: MBLK-207664

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	06/23/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/29/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/23/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/29/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/29/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/23/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/23/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/29/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/23/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/29/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/23/2023
Cadmium		0.0020	J	0.0005	0.0005	0	100.0	-100	100	06/29/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/29/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/29/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/29/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/23/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/29/2023
Lithium	*	0.0050		< 0.0050	0.0019	0	0	-100	100	06/29/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/29/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/23/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/29/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/23/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/29/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/23/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/29/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/23/2023
Silicon	*	0.0500	JS	0.028	0.0122	0	232.8	-100	100	06/29/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/23/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/29/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207664 SampType: LCS Units mg/L  
 SampID: LCS-207664

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.03</b>	2.000	0	101.5	85	115	06/23/2023
Aluminum		0.0250		<b>1.90</b>	2.000	0	94.8	85	115	06/29/2023
Arsenic		0.0250		<b>0.543</b>	0.5000	0	108.6	85	115	06/23/2023
Arsenic		0.0250		<b>0.531</b>	0.5000	0	106.1	85	115	06/29/2023
Barium		0.0025		<b>2.09</b>	2.000	0	104.5	85	115	06/23/2023
Barium		0.0025		<b>2.04</b>	2.000	0	102.0	85	115	06/29/2023
Beryllium		0.0005		<b>0.0517</b>	0.0500	0	103.4	85	115	06/23/2023
Beryllium		0.0005		<b>0.0502</b>	0.0500	0	100.4	85	115	06/29/2023
Boron		0.0200		<b>0.512</b>	0.5000	0	102.3	85	115	06/23/2023
Boron		0.0200		<b>0.504</b>	0.5000	0	100.8	85	115	06/29/2023
Cadmium		0.0020		<b>0.0517</b>	0.0500	0	103.4	85	115	06/29/2023
Cadmium		0.0020		<b>0.0537</b>	0.0500	0	107.4	85	115	06/23/2023
Calcium		0.100		<b>2.60</b>	2.500	0	103.9	85	115	06/29/2023
Chromium		0.0050		<b>0.198</b>	0.2000	0	99.1	85	115	06/29/2023
Chromium		0.0050		<b>0.201</b>	0.2000	0	100.7	85	115	06/23/2023
Iron		0.0400		<b>1.98</b>	2.000	0	99.1	85	115	06/29/2023
Iron		0.0400		<b>2.11</b>	2.000	0	105.5	85	115	06/23/2023
Lead		0.0150		<b>0.501</b>	0.5000	0	100.2	85	115	06/29/2023
Lead		0.0150		<b>0.509</b>	0.5000	0	101.8	85	115	06/23/2023
Lithium	*	0.0050		<b>0.527</b>	0.5000	0	105.5	85	115	06/29/2023
Magnesium		0.0500		<b>2.40</b>	2.500	0	95.8	85	115	06/23/2023
Magnesium		0.0500		<b>2.46</b>	2.500	0	98.2	85	115	06/29/2023
Manganese		0.0070		<b>0.494</b>	0.5000	0	98.7	85	115	06/23/2023
Manganese		0.0070		<b>0.492</b>	0.5000	0	98.4	85	115	06/29/2023
Molybdenum		0.0100		<b>0.498</b>	0.5000	0	99.5	85	115	06/23/2023
Molybdenum		0.0100		<b>0.485</b>	0.5000	0	97.0	85	115	06/29/2023
Potassium		0.100		<b>2.74</b>	2.500	0	109.6	85	115	06/23/2023
Potassium		0.100		<b>2.57</b>	2.500	0	102.7	85	115	06/29/2023
Silicon	*	0.0500		<b>0.562</b>	0.5000	0	112.3	85	115	06/23/2023
Silicon	*	0.0500	B	<b>0.518</b>	0.5000	0	103.5	85	115	06/29/2023
Sodium		0.0500		<b>2.47</b>	2.500	0	98.8	85	115	06/29/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207664		SampType: MS		Units mg/L						
SampID: 23060419-020CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.03</b>	2.000	0	101.5	75	125	06/29/2023
Arsenic		0.0250		<b>0.539</b>	0.5000	0	107.7	75	125	06/29/2023
Barium		0.0025		<b>2.10</b>	2.000	0.1098	99.5	75	125	06/29/2023
Beryllium		0.0005		<b>0.0499</b>	0.0500	0	99.8	75	125	06/29/2023
Boron		0.0200	S	<b>14.8</b>	0.5000	14.06	154.6	75	125	06/29/2023
Cadmium		0.0020		<b>0.0483</b>	0.0500	0	96.6	75	125	06/29/2023
Calcium		0.100	S	<b>370</b>	2.500	362.2	307.2	75	125	06/29/2023
Chromium		0.0050		<b>0.195</b>	0.2000	0	97.6	75	125	06/29/2023
Iron		0.0400		<b>6.38</b>	2.000	4.210	108.5	75	125	06/29/2023
Lead		0.0150		<b>0.486</b>	0.5000	0	97.1	75	125	06/29/2023
Manganese		0.0070		<b>2.30</b>	0.5000	1.774	104.7	75	125	06/29/2023
Molybdenum		0.0100		<b>0.667</b>	0.5000	0.1726	98.9	75	125	06/29/2023
Silicon	*	0.0500	B	<b>6.78</b>	0.5000	6.178	119.4	75	125	06/29/2023

Batch 207664		SampType: MSD		Units mg/L		RPD Limit: 20				
SampID: 23060419-020CMSD										
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	101.0	2.030	0.49	06/29/2023
Arsenic		0.0250		<b>0.545</b>	0.5000	0	109.1	0.5386	1.25	06/29/2023
Barium		0.0025		<b>2.09</b>	2.000	0.1098	99.0	2.100	0.48	06/29/2023
Beryllium		0.0005		<b>0.0496</b>	0.0500	0	99.2	0.04990	0.60	06/29/2023
Boron		0.0200		<b>14.7</b>	0.5000	14.06	123.9	14.83	1.04	06/29/2023
Cadmium		0.0020		<b>0.0485</b>	0.0500	0	97.0	0.04830	0.41	06/29/2023
Calcium		0.100	S	<b>366</b>	2.500	362.2	160.0	369.9	1.00	06/29/2023
Chromium		0.0050		<b>0.195</b>	0.2000	0	97.5	0.1952	0.15	06/29/2023
Iron		0.0400		<b>6.31</b>	2.000	4.210	105.0	6.380	1.10	06/29/2023
Lead		0.0150		<b>0.484</b>	0.5000	0	96.7	0.4855	0.41	06/29/2023
Manganese		0.0070		<b>2.29</b>	0.5000	1.774	102.3	2.297	0.52	06/29/2023
Molybdenum		0.0100		<b>0.661</b>	0.5000	0.1726	97.7	0.6672	0.90	06/29/2023
Silicon	*	0.0500	B	<b>6.68</b>	0.5000	6.178	100.0	6.775	1.44	06/29/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207871 SampType: MBLK Units mg/L  
 SampID: MBLK-207871

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	06/29/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/30/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/29/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/30/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/29/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/30/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/29/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/30/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/29/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/30/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/29/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/30/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/29/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/30/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/29/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/30/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/30/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/29/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/30/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/29/2023
Lithium	*	0.0050		< 0.0050	0.0019	0	0	-100	100	06/30/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/05/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/29/2023
Magnesium		0.0500	JS	0.0060	0.0055	0	109.1	-100	100	06/30/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/30/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/29/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/30/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/29/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/29/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/30/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/30/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/29/2023





## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207871 SampType: LCS Units mg/L

SampID: LCS-207871

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.03</b>	2.000	0	101.5	85	115	06/30/2023
Aluminum		0.0250		<b>1.91</b>	2.000	0	95.5	85	115	06/29/2023
Arsenic		0.0250		<b>0.568</b>	0.5000	0	113.6	85	115	06/30/2023
Arsenic		0.0250		<b>0.536</b>	0.5000	0	107.2	85	115	06/29/2023
Barium		0.0025		<b>2.04</b>	2.000	0	102.0	85	115	06/29/2023
Barium		0.0025		<b>2.10</b>	2.000	0	105.0	85	115	06/30/2023
Beryllium		0.0005		<b>0.0526</b>	0.0500	0	105.2	85	115	06/30/2023
Beryllium		0.0005		<b>0.0509</b>	0.0500	0	101.8	85	115	06/29/2023
Boron		0.0200		<b>0.505</b>	0.5000	0	101.0	85	115	06/29/2023
Boron		0.0200		<b>0.533</b>	0.5000	0	106.7	85	115	06/30/2023
Cadmium		0.0020		<b>0.0516</b>	0.0500	0	103.2	85	115	06/29/2023
Cadmium		0.0020		<b>0.0531</b>	0.0500	0	106.2	85	115	06/30/2023
Calcium		0.100		<b>2.58</b>	2.500	0	103.0	85	115	06/29/2023
Calcium		0.100		<b>2.76</b>	2.500	0	110.2	85	115	06/30/2023
Chromium		0.0050		<b>0.200</b>	0.2000	0	99.8	85	115	06/29/2023
Chromium		0.0050		<b>0.206</b>	0.2000	0	102.8	85	115	06/30/2023
Iron		0.0400		<b>2.07</b>	2.000	0	103.5	85	115	06/29/2023
Iron		0.0400		<b>2.12</b>	2.000	0	106.0	85	115	06/30/2023
Lead		0.0150		<b>0.509</b>	0.5000	0	101.8	85	115	06/29/2023
Lead		0.0150		<b>0.526</b>	0.5000	0	105.1	85	115	06/30/2023
Lithium	*	0.0050		<b>0.528</b>	0.5000	0	105.5	85	115	06/30/2023
Magnesium		0.0500		<b>2.26</b>	2.500	0	90.6	85	115	07/05/2023
Magnesium		0.0500	B	<b>2.47</b>	2.500	0	98.9	85	115	06/30/2023
Magnesium		0.0500		<b>2.35</b>	2.500	0	94.1	85	115	06/29/2023
Manganese		0.0070		<b>0.497</b>	0.5000	0	99.3	85	115	06/29/2023
Manganese		0.0070		<b>0.514</b>	0.5000	0	102.9	85	115	06/30/2023
Molybdenum		0.0100		<b>0.491</b>	0.5000	0	98.3	85	115	06/29/2023
Molybdenum		0.0100		<b>0.511</b>	0.5000	0	102.1	85	115	06/30/2023
Potassium		0.100		<b>2.67</b>	2.500	0	106.9	85	115	06/30/2023
Potassium		0.100		<b>2.55</b>	2.500	0	101.9	85	115	06/29/2023
Sodium		0.0500		<b>2.43</b>	2.500	0	97.3	85	115	06/29/2023
Sodium		0.0500		<b>2.54</b>	2.500	0	101.6	85	115	06/30/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 208011 SampType: MBLK Units mg/L

SampID: MBLK-208011

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	07/03/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	07/03/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	07/03/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	07/03/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	07/03/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	07/03/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/03/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	07/03/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	07/03/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	07/03/2023
Lithium	*	0.0050		< 0.0050	0.0019	0	0	-100	100	07/03/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/03/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/05/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	07/03/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	07/03/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/03/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	07/03/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/03/2023



**Quality Control Results**

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 208011		SampType: LCS		Units mg/L						
SampID: LCS-208011										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.97	2.000	0	98.6	85	115	07/03/2023
Arsenic		0.0250		0.527	0.5000	0	105.4	85	115	07/03/2023
Barium		0.0025		2.02	2.000	0	101.0	85	115	07/03/2023
Beryllium		0.0005		0.0505	0.0500	0	101.0	85	115	07/03/2023
Boron		0.0200		0.505	0.5000	0	100.9	85	115	07/03/2023
Cadmium		0.0020		0.0495	0.0500	0	99.0	85	115	07/03/2023
Calcium		0.100		2.61	2.500	0	104.5	85	115	07/03/2023
Chromium		0.0050		0.201	0.2000	0	100.4	85	115	07/03/2023
Iron		0.0400		2.07	2.000	0	103.5	85	115	07/03/2023
Lead		0.0150		0.502	0.5000	0	100.4	85	115	07/03/2023
Magnesium		0.0500		2.38	2.500	0	95.2	85	115	07/03/2023
Magnesium		0.0500		2.29	2.500	0	91.7	85	115	07/05/2023
Manganese		0.0070		0.501	0.5000	0	100.3	85	115	07/03/2023
Molybdenum		0.0100		0.493	0.5000	0	98.6	85	115	07/03/2023
Potassium		0.100		2.66	2.500	0	106.3	85	115	07/03/2023
Silicon	*	0.0500		0.549	0.5000	0	109.9	85	115	07/03/2023
Sodium		0.0500		2.51	2.500	0	100.4	85	115	07/03/2023

Batch 208011		SampType: MS		Units mg/L						
SampID: 23060419-019CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		3.84	4.000	0.05660	94.6	75	125	07/03/2023
Arsenic		0.0250		0.980	1.000	0	98.0	75	125	07/03/2023
Barium		0.0025		3.70	4.000	0.02370	91.9	75	125	07/03/2023
Beryllium		0.0005		0.0933	0.1000	0	93.3	75	125	07/03/2023
Boron		0.0200		2.69	1.000	1.688	100.4	75	125	07/03/2023
Cadmium		0.0020		0.0879	0.1000	0	87.9	75	125	07/03/2023
Calcium		0.100	S	94.2	5.000	87.04	143.4	75	125	07/03/2023
Chromium		0.0050		0.364	0.4000	0	91.0	75	125	07/03/2023
Iron		0.0400		5.91	4.000	1.893	100.4	75	125	07/03/2023
Lead		0.0150		0.905	1.000	0	90.5	75	125	07/03/2023
Manganese		0.0070		0.966	1.000	0.03100	93.6	75	125	07/03/2023
Molybdenum		0.0100		0.918	1.000	0	91.8	75	125	07/03/2023
Silicon	*	0.0500		6.60	1.000	5.424	117.5	75	125	07/03/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 208011		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060419-019CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		<b>4.05</b>	4.000	0.05660	99.8	3.840	5.32	07/03/2023	
Arsenic		0.0250		<b>1.04</b>	1.000	0	103.8	0.9797	5.78	07/03/2023	
Barium		0.0025		<b>3.92</b>	4.000	0.02370	97.4	3.700	5.77	07/03/2023	
Beryllium		0.0005		<b>0.0983</b>	0.1000	0	98.3	0.09330	5.22	07/03/2023	
Boron		0.0200		<b>2.88</b>	1.000	1.688	118.8	2.693	6.58	07/03/2023	
Cadmium		0.0020		<b>0.0928</b>	0.1000	0	92.8	0.08790	5.42	07/03/2023	
Calcium		0.100	S	<b>100</b>	5.000	87.04	268.0	94.21	6.40	07/03/2023	
Chromium		0.0050		<b>0.383</b>	0.4000	0	95.7	0.3641	4.98	07/03/2023	
Iron		0.0400		<b>6.26</b>	4.000	1.893	109.2	5.910	5.75	07/03/2023	
Lead		0.0150		<b>0.950</b>	1.000	0	95.0	0.9054	4.86	07/03/2023	
Manganese		0.0070		<b>1.02</b>	1.000	0.03100	98.6	0.9665	5.12	07/03/2023	
Molybdenum		0.0100		<b>0.972</b>	1.000	0	97.2	0.9180	5.69	07/03/2023	
Silicon	*	0.0500	S	<b>7.11</b>	1.000	5.424	168.7	6.599	7.47	07/03/2023	

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

Batch 207600		SampType: MBLK		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: MBLK-207600											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/22/2023	
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/23/2023	
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/26/2023	
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/22/2023	
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/22/2023	

### Batch 207600 SampType: LCS Units mg/L

SampID: LCS-207600										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.435</b>	0.5000	0	87.1	80	120	06/22/2023
Cobalt		0.0010		<b>0.571</b>	0.5000	0	114.3	80	120	06/23/2023
Lithium	*	0.0030		<b>0.505</b>	0.5000	0	101.0	80	120	06/27/2023
Selenium		0.0010		<b>0.441</b>	0.5000	0	88.2	80	120	06/22/2023
Thallium		0.0020		<b>0.214</b>	0.2500	0	85.7	80	120	06/22/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207600		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.478</b>	0.5000	0	95.6	75	125	06/22/2023	
Cobalt		0.0010		<b>0.543</b>	0.5000	0.0006155	108.5	75	125	06/23/2023	
Selenium		0.0010		<b>0.445</b>	0.5000	0	89.0	75	125	06/22/2023	
Thallium		0.0020		<b>0.229</b>	0.2500	0	91.6	75	125	06/22/2023	

Batch 207600		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		<b>0.485</b>	0.5000	0	97.0	0.4781	1.46	06/22/2023		
Cobalt		0.0010		<b>0.524</b>	0.5000	0.0006155	104.7	0.5433	3.61	06/23/2023		
Selenium		0.0010		<b>0.444</b>	0.5000	0	88.8	0.4452	0.29	06/22/2023		
Thallium		0.0020		<b>0.226</b>	0.2500	0	90.5	0.2290	1.19	06/22/2023		

Batch 207600		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-041CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.467</b>	0.5000	0.01173	91.0	75	125	06/22/2023	
Cobalt		0.0010		<b>0.487</b>	0.5000	0	97.3	75	125	06/23/2023	
Lithium	*	0.0030		<b>1.06</b>	0.5000	0.4862	115.4	75	125	06/27/2023	
Selenium		0.0010		<b>0.404</b>	0.5000	0.006690	79.5	75	125	06/22/2023	
Thallium		0.0020		<b>0.229</b>	0.2500	0.003063	90.5	75	125	06/22/2023	

Batch 207600		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-041CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		<b>0.487</b>	0.5000	0.01173	95.0	0.4666	4.22	06/22/2023		
Cobalt		0.0010		<b>0.504</b>	0.5000	0	100.8	0.4866	3.49	06/23/2023		
Lithium	*	0.0030		<b>1.05</b>	0.5000	0.4862	111.8	1.063	1.69	06/27/2023		
Selenium		0.0010		<b>0.422</b>	0.5000	0.006690	83.2	0.4040	4.47	06/22/2023		
Thallium		0.0020		<b>0.227</b>	0.2500	0.003063	89.4	0.2294	1.25	06/22/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207643 SampType: MBLK Units mg/L

SampID: MBLK-207643

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	06/23/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	06/23/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	06/26/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	06/23/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	06/23/2023

Batch 207643 SampType: LCS Units mg/L

SampID: LCS-207643

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.471	0.5000	0	94.3	85	115	06/23/2023
Cobalt		0.0010		0.519	0.5000	0	103.9	85	115	06/23/2023
Lithium	*	0.0030		0.520	0.5000	0	104.0	80	120	06/27/2023
Selenium		0.0010		0.430	0.5000	0	86.1	85	115	06/23/2023
Thallium		0.0020		0.235	0.2500	0	93.9	85	115	06/23/2023

Batch 207643 SampType: MS Units mg/L

SampID: 23060419-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.515	0.5000	0.0005735	103.0	75	125	06/23/2023
Cobalt		0.0010		0.574	0.5000	0.001155	114.5	75	125	06/26/2023
Lithium	*	0.0030		0.572	0.5000	0.003694	113.6	75	125	06/27/2023
Selenium		0.0010		0.469	0.5000	0	93.8	75	125	06/23/2023
Thallium		0.0020		0.258	0.2500	0	103.2	75	125	06/23/2023
Thallium		0.0020		0.279	0.2500	0	111.5	75	125	06/27/2023

Batch 207643 SampType: MSD Units mg/L

RPD Limit: 20

SampID: 23060419-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.501	0.5000	0.0005735	100.1	0.5154	2.83	06/23/2023
Cobalt		0.0010		0.609	0.5000	0.001155	121.5	0.5737	5.92	06/26/2023
Lithium	*	0.0030		0.553	0.5000	0.003694	109.9	0.5715	3.28	06/27/2023
Selenium		0.0010		0.451	0.5000	0	90.1	0.4691	4.02	06/23/2023
Thallium		0.0020		0.257	0.2500	0	102.7	0.2581	0.54	06/23/2023
Thallium		0.0020		0.276	0.2500	0	110.2	0.2788	1.17	06/27/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207664 SampType: MBLK Units mg/L

SampID: MBLK-207664

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	06/23/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	06/23/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	06/26/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	06/26/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	06/23/2023

Batch 207664 SampType: LCS Units mg/L

SampID: LCS-207664

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.456	0.5000	0	91.2	80	120	06/23/2023
Cobalt		0.0010		0.489	0.5000	0	97.8	80	120	06/23/2023
Lithium	*	0.0030		0.525	0.5000	0	105.1	80	120	06/27/2023
Selenium		0.0010		0.539	0.5000	0	107.9	80	120	06/27/2023
Thallium		0.0020		0.229	0.2500	0	91.6	80	120	06/23/2023

Batch 207871 SampType: MBLK Units mg/L

SampID: MBLK-207871

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	06/29/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	06/29/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	06/29/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	06/29/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	06/29/2023

Batch 207871 SampType: LCS Units mg/L

SampID: LCS-207871

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.493	0.5000	0	98.5	85	115	06/29/2023
Cobalt		0.0010		0.530	0.5000	0	106.1	85	115	06/29/2023
Lithium	*	0.0030		0.497	0.5000	0	99.5	85	115	06/29/2023
Selenium		0.0010		0.496	0.5000	0	99.2	85	115	06/29/2023
Thallium		0.0020		0.242	0.2500	0	96.8	85	115	06/29/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 207871		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lithium	*	0.0030		1.18	1.000	0.09022	109.2	75	125	06/29/2023	

Batch 207871		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Lithium	*	0.0030		1.17	1.000	0.09022	107.7	1.182	1.27	06/29/2023		

Batch 207871		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060419-020CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		1.19	1.000	0	119.3	75	125	06/29/2023	
Cobalt		0.0010		1.01	1.000	0.0004308	100.6	75	125	06/29/2023	
Lithium	*	0.0030		1.27	1.000	0.2231	104.7	75	125	06/29/2023	
Selenium		0.0010		0.941	1.000	0	94.1	75	125	06/29/2023	
Thallium		0.0020		0.485	0.5000	0.001250	96.8	75	125	06/29/2023	

Batch 207871		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060419-020CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010	SE	1.30	1.000	0	130.3	1.193	8.81	06/29/2023		
Cobalt		0.0010		1.04	1.000	0.0004308	104.1	1.007	3.40	06/29/2023		
Lithium	*	0.0030		1.30	1.000	0.2231	107.4	1.270	2.14	06/29/2023		
Selenium		0.0010		0.943	1.000	0	94.3	0.9406	0.21	06/29/2023		
Thallium		0.0020		0.513	0.5000	0.001250	102.4	0.4852	5.61	06/29/2023		

Batch 208011		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-208011											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	07/06/2023	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	07/05/2023	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	07/06/2023	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	07/05/2023	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	07/05/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

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

Batch 208011		SampType: LCS		Units mg/L							
SampID: LCS-208011											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.547</b>	0.5000	0	109.4	80	120	07/06/2023	
Cobalt		0.0010		<b>0.519</b>	0.5000	0	103.7	85	115	07/05/2023	
Lithium	*	0.0030		<b>0.549</b>	0.5000	0	109.9	80	120	07/06/2023	
Selenium		0.0010		<b>0.489</b>	0.5000	0	97.8	85	115	07/05/2023	
Thallium		0.0020		<b>0.234</b>	0.2500	0	93.5	85	115	07/05/2023	

Batch 208011		SampType: MS		Units mg/L							
SampID: 23060419-019CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010	SE	<b>1.33</b>	1.000	0	133.0	75	125	07/06/2023	
Cobalt		0.0010		<b>0.978</b>	1.000	0.0004318	97.8	75	125	07/05/2023	
Lithium	*	0.0030		<b>1.26</b>	1.000	0.1444	111.4	75	125	07/06/2023	
Selenium		0.0010		<b>0.909</b>	1.000	0	90.9	75	125	07/05/2023	
Thallium		0.0020		<b>0.521</b>	0.5000	0	104.2	75	125	07/05/2023	

Batch 208011		SampType: MSD		Units mg/L						RPD Limit: 20		Date Analyzed
SampID: 23060419-019CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010	SE	<b>1.32</b>	1.000	0	131.8	1.330	0.88	07/06/2023		
Cobalt		0.0010		<b>1.03</b>	1.000	0.0004318	102.8	0.9781	5.03	07/05/2023		
Lithium	*	0.0030		<b>1.23</b>	1.000	0.1444	108.6	1.259	2.31	07/06/2023		
Selenium		0.0010		<b>0.940</b>	1.000	0	94.0	0.9092	3.31	07/05/2023		
Thallium		0.0020		<b>0.529</b>	0.5000	0	105.9	0.5212	1.58	07/05/2023		

### SW-846 7470A (TOTAL)

Batch 207819		SampType: MBLK		Units mg/L							
SampID: MBLK-207819											
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	06/28/2023	

Batch 207819		SampType: LCS		Units mg/L							
SampID: LCS-207819											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00484</b>	0.0050	0	96.7	85	115	06/28/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 7470A (TOTAL)

Batch 207819		SampType: MS		Units mg/L							Date
SampID: 23060419-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		<b>0.00468</b>	0.0050	0	93.5	75	125		06/28/2023

Batch 207819		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23060419-005CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Mercury		0.00020		<b>0.00471</b>	0.0050	0	94.3	0.004677	0.80		06/28/2023

Batch 207819		SampType: MS		Units mg/L							Date
SampID: 23060419-025CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		<b>0.00464</b>	0.0050	0	92.8	75	125		06/28/2023

Batch 207819		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23060419-025CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Mercury		0.00020		<b>0.00477</b>	0.0050	0	95.4	0.004642	2.74		06/28/2023

Batch 207820		SampType: MBLK		Units mg/L							Date
SampID: MBLK-207820											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100		06/28/2023

Batch 207820		SampType: LCS		Units mg/L							Date
SampID: LCS-207820											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		<b>0.00457</b>	0.0050	0	91.4	85	115		06/28/2023

Batch 207820		SampType: MS		Units mg/L							Date
SampID: 23060419-046CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Mercury		0.00020		<b>0.00455</b>	0.0050	0	91.0	75	125		06/28/2023

Batch 207820		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23060419-046CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Mercury		0.00020		<b>0.00452</b>	0.0050	0	90.5	0.004552	0.61		06/28/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### SW-846 7470A (TOTAL)

Batch 208012		SampType: MBLK		Units mg/L							
SampID: MBLK-208012										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	07/03/2023	

Batch 208012		SampType: LCS		Units mg/L							
SampID: LCS-208012										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00502	0.0050	0	100.4	85	115	07/03/2023	

Batch 208012		SampType: MS		Units mg/L							
SampID: 23060419-019CMS										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00753	0.0100	0	75.3	75	125	07/03/2023	

Batch 208012		SampType: MSD		Units mg/L						RPD Limit: 15		Date Analyzed
SampID: 23060419-019CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.00020		0.00773	0.0100	0	77.3	0.007526	2.61	07/05/2023		



Receiving Check List

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

Carrier: Justin Colp

Received By: TWM

Completed by:

Reviewed by:

On:

22-Jun-23

Timothy W. Mathis

On:

23-Jun-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>4.4</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 checked="" type="checkbox"/> | No <input 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 #88374. - CET/MP/TMathis - 6/22/2023 5:53:41 PM

Samples collected on 6/20/23 were delivered to the laboratory on 6/21/23 at 1115 (on ice - 2.9C - LTG#5). pH strip #88374 - CET/ERH 6/23/23

Samples collected on 6/29/23 were delivered to the laboratory on 6/29/23 at 1746 (on ice - 4.8C - LTG#5). pH strip #97109 - TM/ERH 6/23/23

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

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

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (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	VER-845-910-911	VER-845-912	VER-NPDES-912		VER-SUP-000
1	VER-002		6/20/23	1517		6	2	2	2											23060419-001
2	VER-003R					6	2	2	2											002
3	VER-004					6	2	2	2											003
4	VER-005		6-10-23	1433		6	2	2	2											004
5	VER-007R		6/20/23	1457		6	2	2	2											005
6	VER-008R		6/20/23	1453		6	2	2	2											006
7	VER-010		6/20/23	1146		6	2	2	2											007
8	* VER-016IB					6	2	2	2											008
9	* VER-016A					6	2	2	2											009
10	VER-017		6-16-23	1015		6	2	2	2											010
11	VER-020		6-10-23	1545		6	2	2	2											011
12	VER-021		6-10-23	0928		6	2	2	2											012
13	VER-022		6/20/23	1217		6	2	2	2											013
14	VER-023					0														014
15	VER-024					0														015
16	VER-025		6/20/23	9:31		0														016

ADDITIONAL COMMENTS	* RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
VER-23Q2 Rev 0	Tracy Carroll	6/21/23	1115	Justin Colp	6/20/23	145	Y	N	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll Justin Colp				
SIGNATURE of SAMPLER:	Tracy Carroll Justin Colp				
	DATE Signed (MM/DD/YYYY):				
	6/21/23				

\* Ver-016IB, Ver-011 #s are Dry  
 \* Ver-016A well Broken  
 6/20/23

020 6-21-23









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

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed. VER-045-910-911

<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  <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 TISUE 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		VER-845-910-911	VER-845-912	VER-NPDES-912	VER-SUP-000						
1	VER-034						6	2	2	2							✓	✓	✓	✓			23060419-017				
2	VER-035#S						6	2	2	2							✓	✓	✓	✓			018				
3	VER-035&D						6	2	2	2							✓	✓	✓	✓			019				
4	VER-036				6-21-23	1033	6	2	2	2							✓	✓	✓	✓			020				
5	VER-037				6-21-23	09149	6	2	2	2							✓	✓	✓	✓			021				
6	VER-038						6	2	2	2							✓	✓	✓	✓			022				
7	VER-040						6	2	2	2							✓	✓	✓	✓			023				
8	VER-041				6-21-23	1208	6	2	2	2							✓	✓	✓	✓			024				
9	VER-042						6	2	2	2							✓	✓	✓	✓			025				
10	VER-043						6	2	2	2							✓	✓	✓	✓			026				
11	VER-070#S				6-21-23	1119	6	2	2	2							✓	✓	✓	✓			027				
12	VER-070&D						6	2	2	2							✓	✓	✓	✓			028				
13	VER-071#S						6	2	2	2							✓	✓	✓	✓			029				
14	VER-071&D						6	2	2	2							✓	✓	✓	✓			030				
15	VER-101#S						0										✓	✓	✓	✓			031				
16	VER-101&						6	2	2	2							✓	✓	✓	✓			032				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0	Justin Colp	6-21-23	1656	<i>[Signature]</i>	6-21-23	1650	

<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:	Justin Colp				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):		6-21-23			

**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: 3 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> NPDES    GROUND WATER    DRINKING WATER UST    RCRA    OTHER	
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:		Site Location	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		STATE: <b>IL</b>	
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No. / Lab I.D.	
							Unpreserved	H <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
							MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)										
1	VER-102#S					0							✓			23060419-033		
2	VER-102&					0							✓			034		
3	VER-103#S					0							✓			035		
4	VER-103&					6	2	2	2				✓			036		
5	VER-104#S					0							✓			037		
6	VER-104&					0							✓			038		
7	VER-105#S					0							✓			039		
8	VER-105&					0							✓			040		
9	VER-ND3					6	2	2	2				✓	✓		041		
10	VER-NED1					6	2	2	2				✓	✓		042		
11	VER-OED1					6	2	2	2				✓	✓		043		
12	VER-YSG01					0							✓	✓		044		
13	Field Blank					6	2	2	2				✓	✓		045		
14	Duplicate					6	2	2	2				✓	✓		046		
15																		
16																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0	Justin Colp	6-21-23	1656		6-21-23	1656	
Dup @ VER-010.							

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:					
DATE Signed (MM/DD/YY):		6-21-23			

**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: <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	Valid Matrix Codes MATRIX CODE	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.
						Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Ni <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	VER-845-910-911	VER-845-912				
1	VER-002				6	2	2	2										23062419-001	
2	VER-003R				6	2	2	2										002	
3	VER-004				6	2	2	2										003	
4	VER-005				6	2	2	2										004	
5	VER-007R				6	2	2	2										005	
6	VER-008R				6	2	2	2										006	
7	VER-010				6	2	2	2										007	
8	VER-016/B				6	2	2	2										008	
9	VER-016A				6	2	2	2										009	
10	VER-017				6	2	2	2										010	
11	VER-020				6	2	2	2										011	
12	VER-021				6	2	2	2										012	
13	VER-022				6	2	2	2										013	
14	VER-023		6/29/23	1052	0													014	
15	VER-024		6/29/23	1053	0													015	
16	VER-025				0													016	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>VER-23Q2 Rev 0</b>	<b>Brett Gillihan</b>	<b>6/29</b>	<b>17:46</b>	<b>Chernik</b>	<b>6/29</b>	<b>1746</b>	<b>4.8</b> Y N

\* Ver-103 to deep for sample equip. to pull. JL  
PH: 90719 UM 6/30

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY):	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>Brett Gillihan</i>	<b>6/29/23</b>				

CHAIN-OF-CUSTODY / Analytical Request Document  
FOR VER-845-910-911, NORTH ASH POND AND ORIGINAL EAST ASH POND

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed. VER-845-910-911

<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	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		VER-845-910-911	VER-845-912	VER-NPDES-912	VER-SUP-000			
1	VER-034				6	2	2	2									✓						2306049-017
2	VER-035#S				6	2	2	2									✓	✓	✓				018
3	VER-035&D				6	2	2	2									✓	✓	✓				019
4	VER-036				6	2	2	2									✓		✓				020
5	VER-037				6	2	2	2									✓		✓				021
6	VER-038				6	2	2	2									✓		✓				022
7	VER-040				6	2	2	2									✓		✓				023
8	VER-041				6	2	2	2									✓		✓				024
9	VER-042				6	2	2	2									✓		✓				025
10	VER-043				6	2	2	2									✓		✓				026
11	VER-070#S				6	2	2	2									✓	✓	✓				027
12	VER-070&D				6	2	2	2									✓	✓	✓				028
13	VER-071#S				6	2	2	2									✓	✓	✓				029
14	VER-071&D				6	2	2	2									✓	✓	✓				030
15	VER-101#S				0												✓						031
16	VER-101&				6	2	2	2									✓		✓				032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-23Q2 Rev 0	Brett Gillman	6/29	17:46	Allen Mohr	6/29	17:46	Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (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: Brett Gillman	SIGNATURE of SAMPLER: <i>[Signature]</i>				
DATE Signed (MM/DD/YY):					

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

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

23060419

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 3 of 3	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		<b>REGULATORY AGENCY</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>		NPDES    GROUND WATER    DRINKING WATER	
Phone: (217) 753-8911    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: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
							Unpreserved	H <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	WATER WT	WASTE WATER WW	PRODUCT P	SOIL/SOLID SL	OIL OL	WPE WP					AIR AR
1	VER-102#S					0							✓			23060419-033		
2	VER-102&					0							✓			034		
3	VER-103#S					0							✓			035		
4	VER-103& <i>✱</i>					6	2	2	2				✓	✓		036		
5	VER-104#S					0							✓			037		
6	VER-104&					0							✓			038		
7	VER-105#S					0							✓			039		
8	VER-105&					0							✓			040		
9	VER-ND3					6	2	2	2				✓	✓		041		
10	VER-NED1					6	2	2	2				✓	✓		042		
11	VER-OED1					6	2	2	2				✓	✓		043		
12	VER-YSG01					0							✓	✓		044		
13	Field Blank					6	2	2	2				✓	✓	✓	045		
14	Duplicate					6	2	2	2				✓	✓	✓	046		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0 Dup @ VER-010.	Brett Gillman	6/29	17:44	<i>[Signature]</i>	6/29	17:46	

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>Brett Gillman</i>	SIGNATURE of SAMPLER: <i>[Signature]</i>				
DATE Signed (MM/DD/YY):					

August 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: VER-23Q2**

**WorkOrder: 23060420**

Dear Eric Bauer:

TEKLAB, INC received 34 samples on 6/29/2023 5:46:00 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.

**Privileged and Confidential: Attorney –Client Communication, Attorney Work Product**

Sincerely,



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



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**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060420  
**Report Date:** 03-Aug-23

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**This reporting package includes the following:**

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Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**Report Date:** 03-Aug-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 )





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**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**Report Date:** 03-Aug-23

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### 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)



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060420  
**Report Date:** 03-Aug-23

**Cooler Receipt Temp:** 4.8 °C

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

VER-016!B, VER-071#S, VER-035#S, and VER-101& could not be collected; the wells were dry or went dry after field analyses were completed. VER-016A could not be collected; the well is broken. VER-103& could not be collected; the well is too deep for equipment to pull water. VER-NED1 could not be collected; the well could not be located.

Analyses were performed by Pace Analytical National. See attached report for results and QC.

**Locations**

**Collinsville**

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

**Springfield**

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

**Kansas City**

**Address** 8421 Nieman Road  
 Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**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

**Chicago**

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



**Accreditations**

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

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**Report Date:** 03-Aug-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	8/31/2023	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

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-001 Client Sample ID: VER-002  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 15:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 16:30	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-002 Client Sample ID: VER-003R  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 8:48

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-003 Client Sample ID: VER-004  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-004 Client Sample ID: VER-005  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 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	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-005 Client Sample ID: VER-007R  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 14:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494





Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-006 Client Sample ID: VER-008R  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 9:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-007 Client Sample ID: VER-010  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 11:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-010 Client Sample ID: VER-017  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-011 Client Sample ID: VER-020  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-012 Client Sample ID: VER-021  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 9:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-013 Client Sample ID: VER-022  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 12:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-014 Client Sample ID: VER-034  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 16:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-016 Client Sample ID: VER-035&D  
 Matrix: GROUNDWATER Collection Date: 06/29/2023 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494





Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-017 Client Sample ID: VER-036  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 10:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-018 Client Sample ID: VER-037  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 9:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-019 Client Sample ID: VER-038  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 15:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-020 Client Sample ID: VER-040  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 13:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:20	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-021 Client Sample ID: VER-041  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 12:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-022 Client Sample ID: VER-042  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-023 Client Sample ID: VER-043  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 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	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-024 Client Sample ID: VER-070#S  
 Matrix: GROUNDWATER Collection Date: 06/21/2023 11:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494





Laboratory Results

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

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-025 Client Sample ID: VER-070&D  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/19/2023 20:27	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-027 Client Sample ID: VER-071&D  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 10:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-030 Client Sample ID: VER-ND3  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-032 Client Sample ID: VER-OED1  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 10:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-033 Client Sample ID: Field Blank  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494



Laboratory Results

Client: Ramboll Work Order: 23060420  
 Client Project: VER-23Q2 Report Date: 03-Aug-23  
 Lab ID: 23060420-034 Client Sample ID: VER-010 Duplicate  
 Matrix: GROUNDWATER Collection Date: 06/20/2023 11:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>								
Subcontracted Analysis	*	0		See Attached		1	07/20/2023 17:44	R334494



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060420  
**Report Date:** 03-Aug-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23060420-001	VER-002	Groundwater	1	06/20/2023 15:17
23060420-002	VER-003R	Groundwater	1	06/21/2023 8:48
23060420-003	VER-004	Groundwater	1	06/21/2023 12:30
23060420-004	VER-005	Groundwater	1	06/20/2023 14:33
23060420-005	VER-007R	Groundwater	1	06/20/2023 14:53
23060420-006	VER-008R	Groundwater	1	06/21/2023 9:16
23060420-007	VER-010	Groundwater	1	06/20/2023 11:46
23060420-008	VER-016!B	Groundwater	1	
23060420-009	VER-016A	Groundwater	1	
23060420-010	VER-017	Groundwater	1	06/20/2023 10:15
23060420-011	VER-020	Groundwater	1	06/20/2023 15:45
23060420-012	VER-021	Groundwater	1	06/20/2023 9:28
23060420-013	VER-022	Groundwater	1	06/20/2023 12:17
23060420-014	VER-034	Groundwater	1	06/20/2023 16:26
23060420-015	VER-035#S	Groundwater	1	
23060420-016	VER-035&D	Groundwater	1	06/29/2023 11:20
23060420-017	VER-036	Groundwater	1	06/21/2023 10:33
23060420-018	VER-037	Groundwater	1	06/21/2023 9:49
23060420-019	VER-038	Groundwater	1	06/20/2023 15:08
23060420-020	VER-040	Groundwater	1	06/20/2023 13:42
23060420-021	VER-041	Groundwater	1	06/21/2023 12:08
23060420-022	VER-042	Groundwater	1	06/20/2023 12:32
23060420-023	VER-043	Groundwater	1	06/20/2023 13:14
23060420-024	VER-070#S	Groundwater	1	06/21/2023 11:19
23060420-025	VER-070&D	Groundwater	1	06/20/2023 10:00
23060420-026	VER-071#S	Groundwater	1	
23060420-027	VER-071&D	Groundwater	1	06/20/2023 10:29
23060420-028	VER-101&	Groundwater	1	06/20/2023 13:57
23060420-029	VER-103&	Groundwater	1	
23060420-030	VER-ND3	Groundwater	1	06/20/2023 11:35
23060420-031	VER-NED1	Groundwater	1	
23060420-032	VER-OED1	Groundwater	1	06/20/2023 10:52
23060420-033	Field Blank	Groundwater	1	06/20/2023 16:30
23060420-034	VER-010 Duplicate	Groundwater	1	06/20/2023 11:46



**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060420  
**Report Date:** 03-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
23060420-001A	VER-002	06/20/2023 15:17	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 16:30
23060420-002A	VER-003R	06/21/2023 8:48	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-003A	VER-004	06/21/2023 12:30	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-004A	VER-005	06/20/2023 14:33	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-005A	VER-007R	06/20/2023 14:53	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-006A	VER-008R	06/21/2023 9:16	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-007A	VER-010	06/20/2023 11:46	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-010A	VER-017	06/20/2023 10:15	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-011A	VER-020	06/20/2023 15:45	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-012A	VER-021	06/20/2023 9:28	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-013A	VER-022	06/20/2023 12:17	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-014A	VER-034	06/20/2023 16:26	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-016A	VER-035&D	06/29/2023 11:20	06/29/2023 17:46		
	See Attached for Subcontracting Analysis				07/20/2023 17:44
23060420-017A	VER-036	06/21/2023 10:33	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-018A	VER-037	06/21/2023 9:49	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-019A	VER-038	06/20/2023 15:08	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-020A	VER-040	06/20/2023 13:42	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:20
23060420-021A	VER-041	06/21/2023 12:08	06/21/2023 16:56		





**Dates Report**

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

**Client:** Ramboll  
**Client Project:** VER-23Q2

**Work Order:** 23060420  
**Report Date:** 03-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-022A	VER-042	06/20/2023 12:32	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-023A	VER-043	06/20/2023 13:14	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-024A	VER-070#S	06/21/2023 11:19	06/21/2023 16:56		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-025A	VER-070&D	06/20/2023 10:00	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/19/2023 20:27
23060420-027A	VER-071&D	06/20/2023 10:29	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/20/2023 17:44
23060420-030A	VER-ND3	06/20/2023 11:35	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/20/2023 17:44
23060420-032A	VER-OED1	06/20/2023 10:52	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/20/2023 17:44
23060420-033A	Field Blank	06/20/2023 16:30	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/20/2023 17:44
23060420-034A	VER-010 Duplicate	06/20/2023 11:46	06/21/2023 11:15		
	See Attached for Subcontracting Analysis				07/20/2023 17:44



Receiving Check List

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

Client: Ramboll

Work Order: 23060420

Client Project: VER-23Q2

Report Date: 03-Aug-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Reviewed by:

On:

26-Jun-23

Timothy W. Mathis

On:

27-Jun-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>4.8</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 checked="" type="checkbox"/> | No <input 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 #88374. - CET/TMathis - 6/26/2023 5:33:09 PM

Samples collected on 6/20/23 were delivered to the laboratory on 6/21/23 at 1115 (on ice - 2.4

Samples collected on 6/21/23 were delivered to the laboratory on 6/21/23 at 1656 (on ice - 4.4C - LTG#5). pH strip #90419 - TM/ERH 6/23/23

Temp: 2.4 me  
UG's  
23060420

**CHAIN-OF-CUSTODY / Analytical Request Document**  
VER-23Q2-911

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>	
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>		NPDES <b>GROUND WATER</b> <b>DRINKING WATER</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		UST <b>RCRA</b> <b>OTHER</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Site Location	
				Profile #:		STATE: <b>IL</b>	

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 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		VER-845-910-911	VER-845-912	VER-NPDES-912	VER-SUP-000						
1	VER-002				6/20/23	1517	2	2														23060420-001					
2	VER-003R						2	2														002					
3	VER-004						2	2														003					
4	VER-005				6-20-23	1433	2	2														004					
5	VER-007R				6/20/23	1453	2	2														005					
6	VER-008R				<del>6/20/23</del>	<del>1453</del>	2	2														006					
7	VER-010				6/20/23	1146	2	2														007					
8	* VER-016IB						2	2														008					
9	* VER-016A						2	2														009					
10	VER-017				6-20-23	1615	2	2														010					
11	VER-020				6-20-23	1545	2	2														011					
12	VER-021				6-20-23	0928	2	2														012					
13	VER-022				6/20/23	1215	2	2														013					
14	VER-023																										
15	VER-024																										
16	VER-025																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
VER-23Q2 Rev 0 Re 226/228 only.	Jessy Carroll	6/21/23	1115	Elizabeth Anthony	6/21/23	1115	Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	

\* Ver-016IB, Ver-011 #5 DRY  
6/24/23  
\* Ver-016A well broken  
6/20/23

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Jessy Carroll, Jason Cole
SIGNATURE of SAMPLER:	Jessy Carroll
DATE Signed (MM/DD/YY):	6/21/23

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

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

23060420

<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 <b>GROUND WATER</b> DRINKING WATER	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST <b>RCRA</b> 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:		Project Manager:		STATE: <b>IL</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		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 CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)	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
1	VER-034				6-20-23	1626		2		2								23060420-014		
2	VER-035#S							2		2								015		
3	VER-035&D							2		2								016		
4	VER-036					<del>1433-2</del>		2		2								017		
5	VER-037							2		2								018		
6	VER-038				6-10-23	1508		2		2								019		
7	VER-040				6/20/23	1342		2		2								020		
8	VER-041							2		2								021		
9	VER-042				6-10-23	1232		2		2								022		
10	VER-043				6-10-23	1314		2		2								023		
11	VER-070#S							2		2								024		
12	VER-070&D				6/20/23	10:00		2		2								025		
13	* VER-071#S							2		2								026		
14	VER-071&D				6/20/23	1029		2		2								027		
15	VER-101#S							2		2										
16	VER-101& (14 other rods)				6-20-23	1354		2		2								028		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0	<i>Tracy Carroll</i>	6/21/23	11:15	<i>Jason Stuckey</i>	6/21/23	11:15	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Tracy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>	DATE Signed (MM/DD/YY):	<i>6/21/23</i>		

**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>		<b>REGULATORY AGENCY</b>	
				Address: <b>see Section A</b>			
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Quote Reference:		NPDES <b>GROUND WATER</b> DRINKING WATER	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Profile #:		Site Location	
						STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Unpreserved	H <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															
1	VER-102#S																													
2	VER-102&																													
3	VER-103#S																													
4	VER-103&						2	2																						
5	VER-104#S																													
6	VER-104&																													
7	VER-105#S																													
8	VER-105&																													
9	VER-ND3			6/10/23	1135		2	2																			030			
10	VER-NED1						2	2																			031			
11	VER-OED1			6/20/23	1052		2	2																			032			
12	VER-YSG01																													
13	Field Blank			6/20/23	1630		2	2																			033			
14	Duplicate			6/20/23	1146		2	2																			034			
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0 DUP @ VER-010	Tracy Crowl	6/21/23	1115	Elizabeth A. Hoadley	6/21/23	1115	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed/ Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Crowl	Justin Cole				
SIGNATURE of SAMPLER: Tracy Crowl	DATE Signed (MM/DD/YY): 6/21/23				

# CHAIN-OF-CUSTODY / Analytical Request Document

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

23060420

<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: (217) 753-8911 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 #: <div style="text-align: right;">                 REGULATORY AGENCY                  NPDES      GROUND WATER      DRINKING WATER                  UST          RCRA                      OTHER                  Site Location:      IL                  STATE:             </div>		
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

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 WIPE              WP AIR                AR OTHER            OT TISSUE           TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N VER-845-910-911 VER-845-912 VER-NPDES-912 VER-SUP-000	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				
1	VER-002						2	2	2						✓				23060420-001	
2	VER-003R				6-21-23	0848	2	2	2						✓				002	
3	VER-004				6-21-23	1230	2	2	2						✓				003	
4	VER-005						2	2	2						✓				004	
5	VER-007R						2	2	2						✓				005	
6	VER-008R				6-21-23	0916	2	2	2						✓				006	
7	VER-010						2	2	2						✓				007	
8	VER-016IB						2	2	2						✓				008	
9	VER-016A						2	2	2						✓				009	
10	VER-017						2	2	2						✓				010	
11	VER-020						2	2	2						✓				011	
12	VER-021						2	2	2						✓				012	
13	VER-022						2	2	2						✓				013	
14	VER-023																			
15	VER-024																			
16	VER-025																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0 <i>Re 226/228, only.</i>	Justin Galp	6-21-23	1656	Alison Colan	6/21	1656	4.4 Y N N N

SAMPLER NAME AND SIGNATURE		Temp in °C	Prepared on (M/D/Y)	Cooler Sealed (Y/N)	Seals Intact (Y/N)
PRINT Name of SAMPLER: Justin Galp		4.4			
SIGNATURE OF SAMPLER: <i>Justin Galp</i>					
DATE Signed (MM/DD/YYYY): 6-21-23					

**CHAIN-OF-CUSTODY / Analytical Request Document** VER-845-910-911  
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

23060420

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		REGULATORY AGENCY	
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	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
1	VER-034						2	2										23060420-014		
2	VER-035#S						2	2										015		
3	VER-035&D						2	2										016		
4	VER-036				6-21-23	1053	2	2										017		
5	VER-037				6-21-23	0949	2	2										018		
6	VER-038						2	2										019		
7	VER-040						2	2										020		
8	VER-041				6-21-23	1208	2	2										021		
9	VER-042						2	2										022		
10	VER-043						2	2										023		
11	VER-070#S				6-21-23	1119	2	2										024		
12	VER-070&D						2	2										025		
13	VER-071#S						2	2										026		
14	VER-071&D						2	2										027		
15	VER-101#S						X	X	TE 9/11/10/23											
16	VER-101&						2	2										028		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-23Q2 Rev 0	Justin Galp	6-21-23	1656	Alison Chen	6/21	1656				
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 Galp										
SIGNATURE of SAMPLER: Justin Galp										

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

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

VER-23Q2, NORTH ASH POND AND ORIGINAL EAST ASH POND  
23060420

**Section A**  
Required Client Information:

**Section B**  
Required Project Information:

**Section C**  
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 #:

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	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	Project No./ Lab I.D.		
						Unpreserved	H <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		VER-845-910-911	VER-845-912	VER-NPDES-912	VER-SUP-000								
1	VER-102#S																									
2	VER-102&																									
3	VER-103#S																									
4	VER-103&				2	2																	23060420-029			
5	VER-104#S																									
6	VER-104&																									
7	VER-105#S																									
8	VER-105&																									
9	VER-ND3				2	2																	030			
10	VER-NED1				2	2																	031			
11	VER-OED1				2	2																	032			
12	VER-YSG01																									
13	Field Blank				2	2																	033			
14	Duplicate				2	2																	034			
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0 DUP @ VER-010	Justin Colp	6-21-23	1656	Justin Colp	6/21	14586	

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	<i>Justin Colp</i>				

DATE Signed (MM/DD/YY): 6-21-23



**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: 2 of 3	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		REGULATORY AGENCY 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:		Quote Reference:			
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 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				
1	VER-034						2	2							✓			23060420-014	
2	VER-035#S				06/29/23	1120	2	2							✓			015	
3	VER-035&D						2	2							✓			016	
4	VER-036						2	2							✓			017	
5	VER-037						2	2							✓			018	
6	VER-038						2	2							✓			019	
7	VER-040						2	2							✓			020	
8	VER-041						2	2							✓			021	
9	VER-042						2	2							✓			022	
10	VER-043						2	2							✓			023	
11	VER-070#S						2	2							✓			024	
12	VER-070&D						2	2							✓			025	
13	VER-071#S						2	2							✓			026	
14	VER-071&D						2	2							✓			027	
15	VER-101#S						X	2							X				
16	VER-101&						2	2							✓			028	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-23Q2 Rev 0	Bret Gilligan	6/29	17:46	Alicia Cole	6/29	17:46	9.8

PH: 90719 UM 6/30

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: <b>Bret Gilligan</b>	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER: <i>[Signature]</i>					



# ANALYTICAL REPORT

August 02, 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-9101911

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

## TEKLAB, Inc.

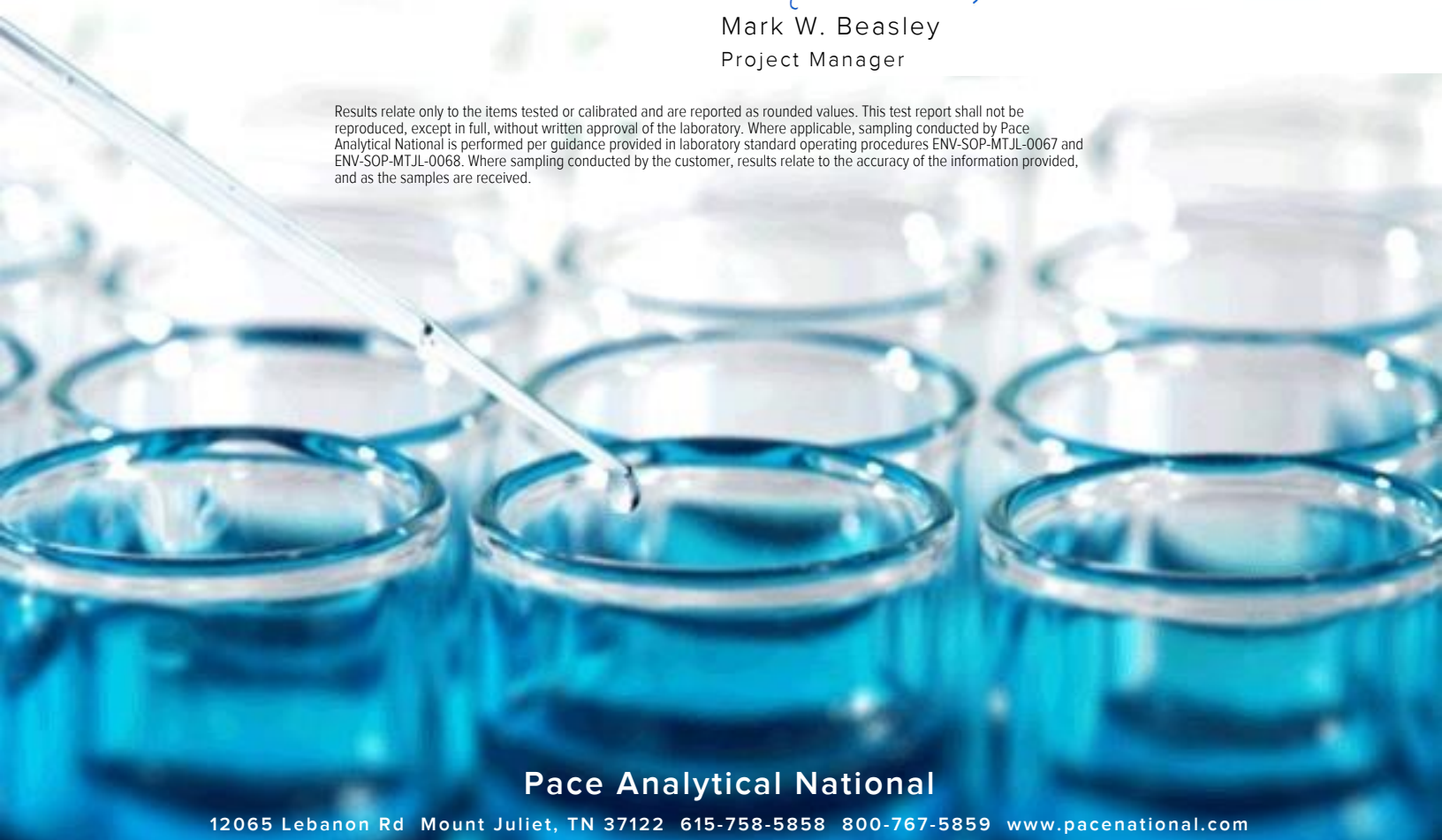
Sample Delivery Group: L1630194  
 Samples Received: 06/28/2023  
 Project Number: 2306420  
 Description:

Report To: Elizabeth Hurley  
 5445 Horseshoe Lake Road  
 Collinsville, IL 62234

Entire Report Reviewed By:

Mark W. Beasley  
Project Manager

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



Pace Analytical National

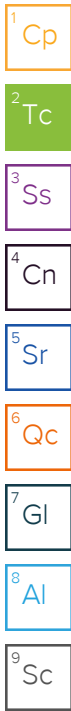
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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 VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
 VER-845-910-911

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# SAMPLE SUMMARY

845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
 VER-845-910-911

06/20/23 15:17      06/28/23 09:15

## 23060420-001 L1630194-01 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096133	1	07/18/23 10:18	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096133	1	07/18/23 10:18	07/19/23 16:30	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/21/23 08:48      06/28/23 09:15

## 23060420-002 L1630194-02 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/21/23 12:30      06/28/23 09:15

## 23060420-003 L1630194-03 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 14:33      06/28/23 09:15

## 23060420-004 L1630194-04 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 14:53      06/28/23 09:15

## 23060420-005 L1630194-05 Non-Potable Water

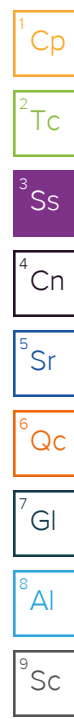
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/21/23 09:16      06/28/23 09:15

## 23060420-006 L1630194-06 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN



# SAMPLE SUMMARY

845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
 VER-845-910-911

06/20/23 11:46      06/28/23 09:15

## 23060420-007 L1630194-07 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 10:15      06/28/23 09:15

## 23060420-010 L1630194-08 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 15:45      06/28/23 09:15

## 23060420-011 L1630194-09 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 09:28      06/28/23 09:15

## 23060420-012 L1630194-10 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2095176	1	07/14/23 18:30	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/19/23 20:32	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 12:17      06/28/23 09:15

## 23060420-013 L1630194-11 Non-Potable Water

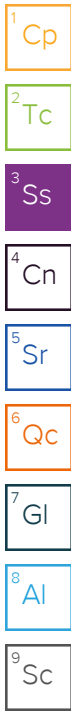
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by      Collected date/time      Received date/time

06/20/23 16:26      06/28/23 09:15

## 23060420-014 L1630194-12 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN



# SAMPLE SUMMARY

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-845-910-911

06/21/23 10:33

06/28/23 09:15

## 23060420-017 L1630194-13 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/21/23 09:49

06/28/23 09:15

## 23060420-018 L1630194-14 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/20/23 15:08

06/28/23 09:15

## 23060420-019 L1630194-15 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/20/23 13:42

06/28/23 09:15

## 23060420-020 L1630194-16 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:20	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

Tracy Carroll

06/21/23 12:08

06/28/23 09:15

## 23060420-021 L1630194-17 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

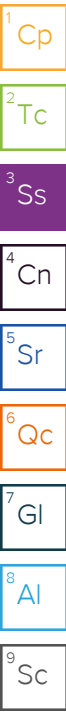
Tracy Carroll

06/20/23 12:32

06/28/23 09:15

## 23060420-022 L1630194-18 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN



# SAMPLE SUMMARY

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-845-910-911

Tracy Carroll

06/20/23 13:14

06/28/23 09:15

## 23060420-023 L1630194-19 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

Tracy Carroll

06/21/23 11:19

06/28/23 09:15

## 23060420-024 L1630194-20 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

Tracy Carroll

06/20/23 10:00

06/28/23 09:15

## 23060420-025 L1630194-21 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096956	1	07/18/23 13:54	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096956	1	07/18/23 13:54	07/19/23 20:27	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

Tracy Carroll

06/20/23 10:29

06/28/23 09:15

## 23060420-027 L1630194-22 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

Tracy Carroll

06/20/23 11:35

06/28/23 09:15

## 23060420-030 L1630194-23 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

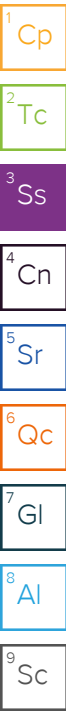
Tracy Carroll

06/20/23 10:52

06/28/23 09:15

## 23060420-032 L1630194-24 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN



# SAMPLE SUMMARY

845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
 VER-845-910-911

## 23060420-033 L1630194-25 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN

Collected by Tracy Carroll  
 Collected date/time 06/20/23 16:30  
 Received date/time 06/28/23 09:15

## 23060420-034 L1630194-26 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN

Collected by Tracy Carroll  
 Collected date/time 06/20/23 11:46  
 Received date/time 06/28/23 09:15

## 23060420-016 L1630194-27 Non-Potable Water

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2096074	1	07/17/23 10:35	07/24/23 17:10	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2096974	1	07/19/23 15:25	07/24/23 17:10	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2096974	1	07/19/23 15:25	07/20/23 17:44	RGT	Mt. Juliet, TN

Collected by Tracy Carroll  
 Collected date/time 06/29/23 11:20  
 Received date/time 07/07/23 09:00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# CASE NARRATIVE

ATTACHMENT B  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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



Mark W. Beasley  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

23060420-001

Collected date/time: 06/20/23 15:17

# SAMPLE RESULTS - 01

ATTACHMENT B

345001A QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.426	J	0.349	0.623	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	84.8			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	89.6			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.685	J	0.426	0.694	07/19/2023 20:32	<a href="#">WG2096133</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.259	J	0.245	0.305	07/19/2023 16:30	<a href="#">WG2096133</a>
(T) Barium-133	97.0			30.0-143	07/19/2023 16:30	<a href="#">WG2096133</a>

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



Radiochemistry by Method 904/9320

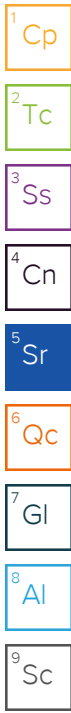
Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.671		0.308	0.542	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	81.0			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	109			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.11		0.556	0.624	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	1.44		0.463	0.309	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	95.1			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.468	J	0.325	0.582	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	71.2			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	122			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.29		0.449	0.606	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.826		0.310	0.168	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	105			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.593		0.273	0.481	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	94.8			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	101			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.76		0.479	0.513	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	1.17		0.393	0.178	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	94.9			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.567		0.264	0.466	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	86.7			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	100			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.608		0.318	0.562	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0418	<u>U</u>	0.178	0.314	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	105			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

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

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.998		0.250	0.424	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	84.0			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	97.1			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.08		0.320	0.532	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0864	<u>U</u>	0.200	0.321	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	101			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Radiochemistry by Method 904/9320

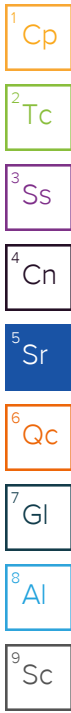
Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.419	J	0.242	0.431	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	81.7			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	107			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.567		0.294	0.484	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.148	J	0.167	0.220	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	93.5			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.05		0.353	0.612	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	80.5			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	95.1			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.56		0.469	0.679	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.519		0.309	0.293	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	95.1			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.0892	<u>U</u>	0.224	0.411	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Barium	87.1			30.0-143	07/19/2023 20:32	<a href="#">WG2095176</a>
(T) Yttrium	108			30.0-136	07/19/2023 20:32	<a href="#">WG2095176</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.465	<u>J</u>	0.370	0.546	07/19/2023 20:32	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.376		0.295	0.360	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	97.3			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.993		0.315	0.545	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	103			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	95.9			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.26		0.394	0.617	07/24/2023 17:10	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.270	J	0.237	0.289	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	96.5			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

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

23060420-014

Collected date/time: 06/20/23 16:26

# SAMPLE RESULTS - 12

ATTACHMENT B

3450014 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.673	J	0.425	0.757	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	89.0			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	120			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.987		0.517	0.844	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.314	J	0.295	0.374	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	79.7			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

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

23060420-017

Collected date/time: 06/21/23 10:33

# SAMPLE RESULTS - 13

ATTACHMENT B

3450014 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.69		0.265	0.427	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	83.6			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	101			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.09		0.396	0.534	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.398		0.294	0.320	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	92.6			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.23		0.323	0.554	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	93.0			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	83.8			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.66		0.435	0.643	07/24/2023 17:10	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.427		0.292	0.327	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	109			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.28		0.269	0.451	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	94.7			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	91.7			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.55		0.363	0.539	07/24/2023 17:10	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.277	J	0.243	0.296	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	101			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

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



23060420-020

Collected date/time: 06/20/23 13:42

# SAMPLE RESULTS - 16

ATTACHMENT B

345001A QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.16		0.233	0.386	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	90.3			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	99.0			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

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

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.34		0.294	0.445	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.185	J	0.179	0.222	07/19/2023 20:20	<a href="#">WG2096956</a>
(T) Barium-133	106			30.0-143	07/19/2023 20:20	<a href="#">WG2096956</a>

23060420-021

Collected date/time: 06/21/23 12:08

# SAMPLE RESULTS - 17

ATTACHMENT B

3450014 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.908		0.212	0.358	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	97.8			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	109			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.26		0.331	0.451	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.356		0.254	0.274	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	106			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

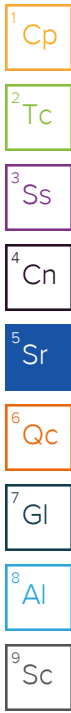
Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.451		0.249	0.444	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	89.3			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	92.3			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.501		0.266	0.473	07/24/2023 17:10	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0497	<u>U</u>	0.0944	0.164	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	105			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>



23060420-023

Collected date/time: 06/20/23 13:14

# SAMPLE RESULTS - 19

ATTACHMENT B

3450014 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.357	J	0.212	0.379	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	97.6			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	100			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.631		0.306	0.451	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.274		0.220	0.244	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	107			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

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

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.000	<u>U</u>	0.217	0.400	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	105			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	105			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.0747	<u>U</u>	0.241	0.428	07/24/2023 17:10	<a href="#">WG2096956</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0747	<u>J</u>	0.104	0.152	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	110			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

23060420-025

Collected date/time: 06/20/23 10:00

# SAMPLE RESULTS - 21

ATTACHMENT B  
3450014  
QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.292	J	0.226	0.406	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	103			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	102			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.606		0.319	0.470	07/24/2023 17:10	<a href="#">WG2096956</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.314		0.225	0.237	07/19/2023 20:27	<a href="#">WG2096956</a>
(T) Barium-133	98.7			30.0-143	07/19/2023 20:27	<a href="#">WG2096956</a>

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

23060420-027

Collected date/time: 06/20/23 10:29

# SAMPLE RESULTS - 22

ATTACHMENT B

345001A  
345001A QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.99		0.300	0.492	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	105			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	96.3			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.40		0.434	0.606	07/24/2023 17:10	<a href="#">WG2096974</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.416		0.314	0.354	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	87.5			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

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

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.634		0.252	0.443	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	93.7			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	103			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.61		0.475	0.549	07/24/2023 17:10	<a href="#">WG2096974</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.976		0.403	0.324	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	90.7			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



23060420-032

Collected date/time: 06/20/23 10:52

# SAMPLE RESULTS - 24

ATTACHMENT B

345001A  
345001A QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.856		0.294	0.513	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	91.7			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	114			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

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

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	3.53		0.683	0.555	07/24/2023 17:10	<a href="#">WG2096974</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	2.67		0.616	0.211	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	79.9			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

23060420-033

Collected date/time: 06/20/23 16:30

# SAMPLE RESULTS - 25

ATTACHMENT B

345001A QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-845-910-911

## Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.857		0.259	0.448	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	109			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	96.6			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

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

## Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.62		0.612	0.506	07/24/2023 17:10	<a href="#">WG2096974</a>

## Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	1.76		0.554	0.235	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	71.8			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.536		0.291	0.516	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	93.2			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	94.1			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.601		0.341	0.598	07/24/2023 17:10	<a href="#">WG2096974</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0651	<u>U</u>	0.177	0.302	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	92.3			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

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

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.441	J	0.336	0.599	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Barium	112			30.0-143	07/24/2023 17:10	<a href="#">WG2096074</a>
(T) Yttrium	86.3			30.0-136	07/24/2023 17:10	<a href="#">WG2096074</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.624	J	0.399	0.669	07/24/2023 17:10	<a href="#">WG2096974</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.183	J	0.216	0.298	07/20/2023 17:44	<a href="#">WG2096974</a>
(T) Barium-133	107			30.0-143	07/20/2023 17:44	<a href="#">WG2096974</a>

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

Method Blank (MB)

(MB) R3952012-1 07/19/23 20:32

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-228	0.224	↓	0.168	0.301
(T) Barium	92.2		92.2	
(T) Yttrium	101		101	

L1627691-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1627691-01 07/19/23 20:32 • (DUP) R3952012-5 07/19/23 20:32

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.07	0.306	0.00518	1.37	0.407	0.00518	1	25.1	0.601		20	3
(T) Barium	86.1			93.4	93.4							
(T) Yttrium	101			95.7	95.7							

Laboratory Control Sample (LCS)

(LCS) R3952012-2 07/19/23 20:32

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.55	111	80.0-120	
(T) Barium			81.2		
(T) Yttrium			112		

L1629267-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1629267-03 07/19/23 20:32 • (MS) R3952012-3 07/19/23 20:32 • (MSD) R3952012-4 07/19/23 20:32

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.238	10.9	10.5	107	103	1	70.0-130			4.20		20
(T) Barium		75.9			82.4	90.6							
(T) Yttrium		90.0			104	108							



Method Blank (MB)

(MB) R3954146-1 07/24/23 17:10

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-228	0.342		0.170	0.301
(T) Barium	118		118	
(T) Yttrium	96.0		96.0	

L1630194-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1630194-20 07/24/23 17:10 • (DUP) R3954146-5 07/24/23 17:10

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.000	0.217	0.400	0.288	0.289	0.400	1	200	0.797	J	20	3
(T) Barium	105			97.9	97.9							
(T) Yttrium	105			105	105							

Laboratory Control Sample (LCS)

(LCS) R3954146-2 07/24/23 17:10

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.23	105	80.0-120	
(T) Barium			114		
(T) Yttrium			103		

L1630194-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630194-11 07/24/23 17:10 • (MS) R3954146-3 07/24/23 17:10 • (MSD) R3954146-4 07/24/23 17:10

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.993	18.7	19.3	106	109	1	70.0-130			3.22		20
(T) Barium		103			99.7	105							
(T) Yttrium		95.9			109	103							



Method Blank (MB)

(MB) R3950951-1 07/19/23 16:30

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-226	-0.00417	<u>U</u>	0.0316	0.0757
(T) Barium-133	77.3		77.3	

L1629289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1629289-01 07/19/23 16:30 • (DUP) R3950951-5 07/19/23 16:30

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-226	1.59	0.427	0.169	0.189	0.196	0.169	1	157	2.98	<u>J</u>	20	3
(T) Barium-133	99.5			102	102							

Laboratory Control Sample (LCS)

(LCS) R3950951-2 07/19/23 16:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.01	4.74	94.5	80.0-120	
(T) Barium-133			87.1		

L1629904-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1629904-01 07/19/23 16:30 • (MS) R3950951-3 07/19/23 16:30 • (MSD) R3950951-4 07/19/23 16:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0	3.08	21.6	21.4	92.8	91.4	1	75.0-125			1.30		20
(T) Barium-133		82.4			90.9	86.4							

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3951468-1 07/19/23 20:27

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	-0.00188	<u>U</u>	0.0273	0.0653
(T) Barium-133	89.1		89.1	

L1630194-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1630194-21 07/19/23 20:27 • (DUP) R3951468-5 07/19/23 20:27

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.314	0.225	0.237	0.364	0.286	0.237	1	14.8	0.138		20	3
(T) Barium-133	98.7			84.7	84.7							

Laboratory Control Sample (LCS)

(LCS) R3951468-2 07/19/23 20:27

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.01	4.94	98.6	80.0-120	
(T) Barium-133			87.3		

L1630194-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630194-03 07/19/23 20:27 • (MS) R3951468-3 07/19/23 20:27 • (MSD) R3951468-4 07/19/23 20:27

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	1.44	18.7	20.6	86.1	95.6	1	75.0-125			9.64		20
(T) Barium-133		95.1			87.2	78.8							





Method Blank (MB)

(MB) R3956075-5 07/21/23 14:35

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	-0.00607	<u>U</u>	0.0217	0.0467
(T) Barium-133	94.3		94.3	

L1630862-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1630862-02 07/20/23 17:44 • (DUP) R3956075-4 07/20/23 17:44

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	1.43	0.528	0.339	1.51	0.513	0.339	1	5.78	0.115		20	3
(T) Barium-133	69.1			83.8	83.8							

Laboratory Control Sample (LCS)

(LCS) R3956075-1 07/20/23 17:44

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.01	4.27	85.2	80.0-120	
(T) Barium-133			85.4		

L1630194-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630194-25 07/20/23 17:44 • (MS) R3956075-2 07/20/23 17:44 • (MSD) R3956075-3 07/20/23 17:44

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	1.76	19.0	20.4	86.0	93.3	1	75.0-125			7.36		20
(T) Barium-133		71.8			60.1	69.7							

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

ATTACHMENT B  
845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-245-91001

## Guide to Reading and Understanding Your Laboratory Report

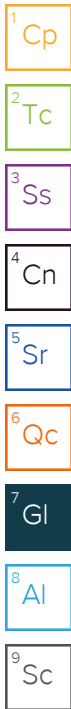
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

### Abbreviations and Definitions

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

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



# ACCREDITATIONS & LOCATIONS

ATTACHMENT B

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND

VER-845-910-911

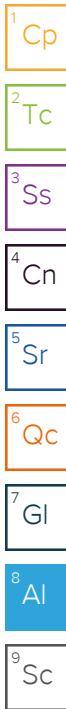
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



### 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 analyze for Radium 226/228 on your standard turn around time.  
 Samples collected from an IL site.  
 Batch QC is required for all analyses requested. EDD requested..

Project#

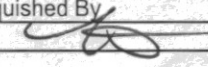
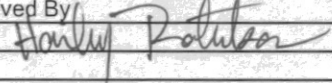
Contact:  Email:   
 Requested Due Date:  Billing/PO:  Phone:

**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. Any changes to analysis/methods must be approved by Teklab, Inc.

Ra226/228	<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"/>
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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
LN630194 -01	23060420-001	6/20/23 1517	HNO3	Groundwater
-02	23060420-002	6/21/23 0848	HNO3	Groundwater
-03	23060420-003	6/21/23 1230	HNO3	Groundwater
-04	23060420-004	6/20/23 1433	HNO3	Groundwater
-05	23060420-005	6/20/23 1453	HNO3	Groundwater
-06	23060420-006	6/21/23 0916	HNO3	Groundwater
-07	23060420-007	6/20/23 1146	HNO3	Groundwater
-08	23060420-010	6/20/23 1015	HNO3	Groundwater
-09	23060420-011	6/20/23 1545	HNO3	Groundwater
-10	23060420-012	6/20/23 0928	HNO3	Groundwater
-11	23060420-013	6/20/23 1213	HNO3	Groundwater

*Relinquished By 	Date/Time <input type="text" value="6-26-23"/>	Received By 	Date/Time <input type="text" value="6/29/23 0915"/>

**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 analyze for Radium 226/228 on your standard turn around time.  
 Samples collected from an IL site.  
 Batch QC is required for all analyses requested. EDD requested..

Project#

Contact:  Email:   
 Requested Due Date:  Billing/PO:

Phone:

**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. Any changes to analysis/methods must be approved by Teklab, Inc.

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"/>
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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
L1123194-12	23060420-014	6/20/23 1626	HNO3	Groundwater
-13	23060420-017	6/21/23 1033	HNO3	Groundwater
-14	23060420-018	6/21/23 0949	HNO3	Groundwater
-15	23060420-019	6/20/23 1508	HNO3	Groundwater
-16	23060420-020	6/20/23 1342	HNO3	Groundwater
-17	23060420-021	6/21/23 1208	HNO3	Groundwater
-18	23060420-022	6/20/23 1232	HNO3	Groundwater
-19	23060420-023	6/20/23 1314	HNO3	Groundwater
-20	23060420-024	6/21/23 1119	HNO3	Groundwater
-21	23060420-025	6/20/23 1000	HNO3	Groundwater
-22	23060420-027	6/20/23 1029	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
	6/26/23		6/28/23 0915



Tracking Numbers		GB A/C Temperature	
U319 3616 3800		25.1 ± 0 = 25.1	
U319 3616 3811		24.0 ± 0 = 24.0	
U319 3616 3822		25.8 ± 0 = 25.8	

U30194

**TEKLAB, INC. Chain of Custody**

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

C154

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:

Project#

Comments:   
 Please analyze for Radium 22/228 per methods specified for Vistra/Ramboll projects.  
 Collected at an IL site.  
 Batch QC is required for all analyses requested. EDD requested.

Contact:  Email:

Requested Due Date:  Billing/PO:

Phone:

*L1630194*  
*L163294 N*  
*7/16/23*

**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. Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra-226/228													
-27 -01	23060420-016	4/17/22 1034	HNO3	Groundwater	<input checked="" type="checkbox"/>													
		4/29/23 1120	HNO3	Groundwater	<input type="checkbox"/>													
		EPH 7/5/23	HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													
			HNO3	Groundwater	<input type="checkbox"/>													

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

GBAG 23.7 +0 = 23.7  
 U319 366 4196

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>		GRACE PARRON <i>[Signature]</i> FACE	7.7.23 0900



Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 1 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device
001A	VER002	06/20/2023	1517	1517		19.36			Good	Bladder Pump
002A	VER003R	6.21.23	848	0848		7.86			Good	Bladder Pump
003A	VER004	6.21.23	1230	1230		8.15			Good	Bladder Pump
004A	VER005	6.20.23	1433	1433		8.24			Good	Bladder Pump
005A	VER007R	06/20/2023	1453	1453		15.79			Good	Peristaltic Pump
006A	VER008R	6.21.23	916	0916		13.47			Good	Bladder Pump
007A	VER010	06/20/2023	1146	1146		48.57			Good	Bladder Pump
008A	VER016B	06/19/2023	1340	1340		Dry				
009A	VER016A	06/19/2023	1341	1341		broken			Needs Work	
010A	VER017	6.20.23	1015	1015		38.38			Good	Bladder Pump
011A	VER020	6.20.23	1545	1545		14.91			Good	Bladder Pump
012A	VER021	6.20.23	928	0928		90.85			Good	Bladder Pump
013A	VER022	06/20/2023	1217	1217		54.29			Good	Bladder Pump
014A	VER023	6.29.23	1052	1052		14.06				
015A	VER024	6.29.23	1053	1053		21.93				
016A	VER025	06/20/2023	931	0931		16.86				
017A	VER034	6.20.23	1626	1626		14.59			Good	Bladder Pump
018A	VER035S	6.29.23	1050	1050		DRY				
019A	VER035D	6.29.23	1120	1120		13.16			Good	Peristaltic Pump
020A	VER036	6.21.23	1033	1033		14.48			Good	Bladder Pump
021A	VER037	6.21.23	949	0949		7.82			Good	Bladder Pump
022A	VER038	6.20.23	1508	1508		7.4			Good	Bladder Pump
023A	VER040	06/20/2023	1342	1342		14.52			Needs Work	Bladder Pump
024A	VER041	6.21.23	1208	1208		6.81			Good	Bladder Pump
025A	VER042	6.20.23	1232	1232		25.48			Good	Bladder Pump
026A	VER043	6.20.23	1314	1314		15.62			Good	Bladder Pump
027A	VER070S	6.21.23	1119	1119		14.2			Good	Bladder Pump
028A	VER070D	06/20/2023	1000	1000		36.19			Good	Bladder Pump
029A	VER071S	06/19/2023	1331	1331		DRY				
030A	VER071D	06/20/2023	1029	1029		37.12			Good	Bladder Pump
031A	VER101S	6.19.23	1318	1318		58.27				
032A	VER101	6.20.23	1357	1357		108.39			Good	Bladder Pump
033A	VER102S	6.19.23	1314	1314		71.64				
034A	VER102	6.19.23	1315	1315		124.19				
035A	VER103S	6.19.23	1327	1327		57.6				
036A	VER103	6.19.23	1329	1329		137.2				

Site Sampling Event Ver\_2Q\_2023

LIMS Workorder 23060419

Technician JC,BG,TAC

WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device
037A	VER104S	6.19.23	1308	1308		72.06				
038A	VER104	6.19.23	1307	1307		125.68				
039A	VER105S	6.19.23	1332	1332		70.25				
040A	VER105	6.19.23	1334	1334		119.86				
041A	VERND3	6.20.23	1135	1135		16.85			Good	Bladder Pump
042A	VERNED1			0						
043A	VEROED1	6.20.23	1052	1052		39.92			Good	Bladder Pump
044A	VERTSGO1	06/20/2023	920	0920		8.91				
045A	FIELD BLANK	06/20/2023	1630	1630						
046A	DUP	06/20/2023	1146	1146		48.57			Good	Bladder Pump
				0						
				0						
				0						
				0						

Site Sampling Event	Ver_2Q_2023								
LIMS Workorder	23060419								
Technician	JC,BG,TAC								
WO Sample	Well ID	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	Transducer Elev.
001A	VER002	Low Flow	Yes	Clear	Slight	Lt. Bro	Slight	0.849	574.7476
002A	VER003R	Low Flow	Yes	Clear	Slight	None	Slight	6.061	581.5523
003A	VER004	Low Flow	Yes	Clear	None	None	None	5.131	582.9026
004A	VER005	Low Flow	Yes	Clear	None	None	None	3.587	Could not connect
005A	VER007R	Low Flow	Yes	Clear	None	None	Slight	1.645	578.6203
006A	VER008R	Low Flow	Yes	Clear	Slight	None	None	3.428	576.4013
007A	VER010	Low Flow	Yes	Clear	None	None	Moderate	under range	610.5884
008A	VER016B								
009A	VER016A								Couldn't locate
010A	VER017	Low Flow	Yes	Clear	None	None	None	6.333	584.8191
011A	VER020	Low Flow	Yes	Clear	Strong	None	None	3.675	577.3441
012A	VER021	Low Flow	Yes	Clear	Moder	None	None	4.684	581.9891
013A	VER022	Low Flow	Yes	Clear	None	None	None	0.686	604.5991
014A	VER023								
015A	VER024								
016A	VER025								
017A	VER034	Low Flow	Yes	Cloudy	Strong	None	Slight	over	577.7923
018A	VER035S								
019A	VER035D	Low Flow	Yes	Clear	None	None	None	5.07	571.0665
020A	VER036	Low Flow	Yes	Clear	None	None	None	over	581.9727
021A	VER037	Low Flow	Yes	Clear	None	None	None	over	575.5277
022A	VER038	Low Flow	Yes	Clear	Slight	None	None	over	584.3171
023A	VER040	Low Flow	Yes	Clear	None	None	Slight	Over range	
024A	VER041	Low Flow	Yes	Clear	None	None	None	over	580.146
025A	VER042	Low Flow	Yes	Clear	Strong	None	None	6.486	582.892
026A	VER043	Low Flow	Yes	Clear	Moder	None	None	over	592.2579
027A	VER070S	Low Flow	Yes	Clear	None	None	None	3.227	579.8951
028A	VER070D	Low Flow	Yes	Clear	None	None	Slight	0.324	557.1563
029A	VER071S								
030A	VER071D	Low Flow	Yes	Clear	None	None	None	0.41	542.662
031A	VER101S								
032A	VER101	Low Flow	No						598.3503
033A	VER102S								
034A	VER102								
035A	VER103S								
036A	VER103								

Air line cor

Site Sampling Event Ver\_2Q\_2023

LIMS Workorder 23060419

Technician JC,BG,TAC

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 4 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

WO Sample	Well ID	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	Transducer Elev.
037A	VER104S								
038A	VER104								
039A	VER105S								
040A	VER105								
041A	VERND3	Low Flow	Yes	Clear	None	None	None	3.64	597.7401
042A	VERNED1								
043A	VEROED1	Low Flow	Yes	Clear	None	None	None	3.4	590.5049
044A	VERTSGO1								
045A	FIELD BLANK								
046A	DUP	Low Flow	Yes	Clear	None	None	Moderate	under range	

could not l

Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC
WO Sample	Well ID
001A	VER002
002A	VER003R
003A	VER004
004A	VER005
005A	VER007R
006A	VER008R
007A	VER010
008A	VER016B
009A	VER016A
010A	VER017
011A	VER020
012A	VER021
013A	VER022
014A	VER023
015A	VER024
016A	VER025
017A	VER034
018A	VER035S
019A	VER035D
020A	VER036
021A	VER037
022A	VER038
023A	VER040
024A	VER041
025A	VER042
026A	VER043
027A	VER070S
028A	VER070D
029A	VER071S
030A	VER071D
031A	VER101S
032A	VER101
033A	VER102S
034A	VER102
035A	VER103S
036A	VER103

nection on well is slpit.

Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC
WO Sample	Well ID
037A	VER104S
038A	VER104
039A	VER105S
040A	VER105
041A	VERND3
042A	VERNED1
043A	VEROED1
044A	VERTSGO1
045A	FIELD BLANK
046A	DUP

ocate

FILE CREATED: 6/22/2023 14:04

DATE	TIME	SITE	DATA ID	Barometer (mmHg)	ODO (mg/L)	ODO (% LocalB)	pH	pH (mV)	ORP (mV)
6/20/2023	9:22:24 AM	Vermilion	VER021	751.3	2.28	22.1	7.02	-15.7	-25.4
6/20/2023	9:25:23 AM	Vermilion	VER021	751.4	1.25	12	7.02	-15.8	-56.6
6/20/2023	9:28:23 AM	Vermilion	VER021	751.3	1.04	10.1	7.04	-16.8	-66.6
6/20/2023	10:09:45 AM	Vermilion	VER017	752.5	0.55	5.4	6.78	-2.7	-37.6
6/20/2023	10:12:45 AM	Vermilion	VER017	752.5	0.54	5.2	6.79	-3	-39.3
6/20/2023	10:15:45 AM	Vermilion	VER017	752.5	0.54	5.3	6.79	-3.3	-40.7
6/20/2023	10:46:52 AM	Vermilion	VEROED1	752.2	2.38	23.9	9.86	-174.8	-25.5
6/20/2023	10:49:52 AM	Vermilion	VEROED1	752.2	2.36	23.6	10.04	-185	-34
6/20/2023	10:52:52 AM	Vermilion	VEROED1	752.2	1.94	19.4	10.12	-189.4	-37.5
6/20/2023	11:29:42 AM	Vermilion	VERND3	752.6	3.45	33.3	8.37	-90.8	47.7
6/20/2023	11:32:42 AM	Vermilion	VERND3	752.6	2.74	26.4	8.38	-91.5	47.9
6/20/2023	11:35:42 AM	Vermilion	VERND3	752.6	2.35	22.6	8.4	-92.6	47.5
6/20/2023	12:23:46 PM	Vermilion	VER042	752.9	0.75	7	7.36	-34.5	-119
6/20/2023	12:26:46 PM	Vermilion	VER042	752.7	0.71	6.6	7.34	-33.7	-120.3
6/20/2023	12:29:46 PM	Vermilion	VER042	752.8	0.75	7	7.33	-33	-121.3
6/20/2023	12:32:46 PM	Vermilion	VER042	752.7	0.66	6.2	7.32	-32.5	-122.2
6/20/2023	1:08:27 PM	Vermilion	VER043	752.4	0.42	4	7.25	-28.5	-120.9
6/20/2023	1:11:27 PM	Vermilion	VER043	752.3	0.4	3.9	7.25	-28.6	-123
6/20/2023	1:14:27 PM	Vermilion	VER043	752.5	0.4	3.8	7.25	-28.7	-124.5
6/20/2023	1:51:27 PM	Vermilion	VER101	749.7	8.1	93.7	7.22	-27.6	9.3
6/20/2023	1:54:27 PM	Vermilion	VER101	749.7	7.42	85.7	7.13	-22.4	15.5
6/20/2023	1:57:27 PM	Vermilion	VER101	749.7	6.59	76.4	7.09	-20	19.4
6/20/2023	2:27:28 PM	Vermilion	VER005	752.4	0.78	7.5	7.47	-40.7	27
6/20/2023	2:30:28 PM	Vermilion	VER005	752.5	0.62	6	7.42	-38.2	26.3
6/20/2023	2:33:28 PM	Vermilion	VER005	752.4	0.54	5.2	7.41	-37.5	24.6
6/20/2023	3:02:09 PM	Vermilion	VER038	752.4	0.58	5.5	6.96	-12.5	-84.3
6/20/2023	3:05:09 PM	Vermilion	VER038	752.4	0.49	4.7	6.96	-12.7	-91.9
6/20/2023	3:08:09 PM	Vermilion	VER038	752.4	0.44	4.2	6.97	-13	-97.5
6/20/2023	3:39:23 PM	Vermilion	VER020	752.2	0.78	7.6	7.05	-17.8	-40.7
6/20/2023	3:42:23 PM	Vermilion	VER020	752.3	0.69	6.7	7.04	-16.9	-39.9
6/20/2023	3:45:23 PM	Vermilion	VER020	752.3	0.62	6	7.02	-16.1	-38.7
6/20/2023	4:20:06 PM	Vermilion	VER034	752.2	0.4	3.8	7.04	-17.1	-99.5
6/20/2023	4:23:06 PM	Vermilion	VER034	752.2	0.37	3.6	7.05	-17.6	-103.2
6/20/2023	4:26:06 PM	Vermilion	VER034	752.3	0.36	3.4	7.06	-17.9	-106.1

FILE CREATED: 6/22/2023 14:04

DATE	TIME	SITE	DATA ID	Barometer (mmHg)	ODO (mg/L)	ODO (% LocalB)	pH	pH (mV)	ORP (mV)
6/21/2023	8:42:38 AM	Vermilion	VER003R	755.2	0.55	5.3	7.04	-16.8	-9.9
6/21/2023	8:45:38 AM	Vermilion	VER003R	755.3	2.3	22.3	7.05	-17.3	-13.7
6/21/2023	8:48:38 AM	Vermilion	VER003R	755.4	0.7	6.7	7.06	-18.2	-29.6
6/21/2023	9:10:44 AM	Vermilion	VER008R	755.2	1.19	11.4	7.53	-44.5	11.1
6/21/2023	9:13:44 AM	Vermilion	VER008R	755.2	0.89	8.6	7.78	-57.9	-9.8
6/21/2023	9:16:44 AM	Vermilion	VER008R	755.2	0.74	7.1	7.87	-63.2	-24.9
6/21/2023	9:43:18 AM	Vermilion	VER037	755.1	0.82	8	6.86	-6.9	-7.8
6/21/2023	9:46:18 AM	Vermilion	VER037	755.2	0.63	6.1	6.84	-5.9	-38.6
6/21/2023	9:49:18 AM	Vermilion	VER037	755.2	0.54	5.3	6.84	-5.7	-52.3
6/21/2023	10:18:09 AM	Vermilion	VER036	755.2	0.54	5.2	7.05	-17.5	-56.6
6/21/2023	10:21:09 AM	Vermilion	VER036	755.2	0.5	4.8	7.06	-18.1	-59.1
6/21/2023	10:24:09 AM	Vermilion	VER036	755.1	0.47	4.5	7.07	-18.8	-61.3
6/21/2023	10:27:09 AM	Vermilion	VER036	755.2	0.45	4.3	7.08	-19.5	-63.2
6/21/2023	10:30:09 AM	Vermilion	VER036	755.2	0.43	4.1	7.1	-20.2	-64.8
6/21/2023	10:33:09 AM	Vermilion	VER036	755.2	0.42	4	7.11	-20.8	-66.3
6/21/2023	11:07:18 AM	Vermilion	VER070S	755	0.8	7.3	6.99	-14.2	15.2
6/21/2023	11:10:18 AM	Vermilion	VER070S	755	0.62	5.7	6.96	-12.7	15
6/21/2023	11:13:18 AM	Vermilion	VER070S	755	0.57	5.2	6.94	-11.5	14.8
6/21/2023	11:16:17 AM	Vermilion	VER070S	755	0.55	5	6.93	-10.7	14.5
6/21/2023	11:19:17 AM	Vermilion	VER070S	754.9	0.54	4.9	6.92	-10.2	14.2
6/21/2023	11:59:27 AM	Vermilion	VER041	754.8	0.42	4	7.02	-15.9	-73.8
6/21/2023	12:02:27 PM	Vermilion	VER041	754.7	0.4	3.8	7.03	-16.4	-79
6/21/2023	12:05:27 PM	Vermilion	VER041	754.6	0.38	3.6	7.03	-16.6	-83
6/21/2023	12:08:27 PM	Vermilion	VER041	754.6	0.37	3.5	7.04	-16.8	-86.4
6/21/2023	12:24:57 PM	Vermilion	VER004	754.5	0.98	9.4	7.47	-41.2	-75.8
6/21/2023	12:27:57 PM	Vermilion	VER004	754.4	0.97	9.3	7.45	-39.6	-85.3
6/21/2023	12:30:57 PM	Vermilion	VER004	754.6	0.62	5.9	7.44	-39.1	-92.9

DATE	TIME	SITE	DATA ID	Barometer (mmHg)	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (psu)	nLFCCond (µS/cm)
6/20/2023	9:54:03 AM	Vermilion	VER070D	753.4	12.8	2875.9	3748.7	1.99	3811.8
6/20/2023	9:57:03 AM	Vermilion	VER070D	753.2	12.7	2774	3625.9	1.92	3687.3
6/20/2023	10:00:03 AM	Vermilion	VER070D	753.2	12.8	2598.5	3389.5	1.79	3446.7
6/20/2023	10:23:48 AM	Vermilion	VER071D	753.5	13.1	3003.7	3885.6	2.07	3950.3
6/20/2023	10:26:48 AM	Vermilion	VER071D	753.6	12.9	2986.9	3885.8	2.07	3951.1



FILE CREATED: 6/22/2023 14:04

DATE	TIME	SITE	DATA ID	Barometer (mmHg)	ODO (mg/L)	ODO (% LocalB)	pH	pH (mV)	ORP (mV)	
6/20/2023	10:29:48 AM	Vermilion	VER071D	753.6	12.8	2982.3		3884.3	2.07	3949.7
6/20/2023	11:40:23 AM	Vermilion	VER010	751.5	14.9	1247.3		1545.7	0.78	1569.4
6/20/2023	11:43:23 AM	Vermilion	VER010	751.4	14.8	1242.4		1541.9	0.78	1565.6
6/20/2023	11:46:23 AM	Vermilion	VER010	751.4	15	1239.1		1531.4	0.78	1554.6
6/20/2023	12:11:40 PM	Vermilion	VER022	751.4	13.5	661.8		847.8	0.42	861.7
6/20/2023	12:14:40 PM	Vermilion	VER022	751.4	13.6	662.4		847.5	0.42	861.4
6/20/2023	12:17:40 PM	Vermilion	VER022	751.4	13.4	662.1		849.8	0.42	863.8
6/20/2023	1:30:43 PM	Vermilion	VER040	752.8	14.2	3497.1		4411.3	2.37	4481.5
6/20/2023	1:33:43 PM	Vermilion	VER040	752.7	14.2	3511		4423.9	2.37	4494.2
6/20/2023	1:36:43 PM	Vermilion	VER040	752.7	14	3509.2		4440.9	2.38	4512
6/20/2023	1:39:43 PM	Vermilion	VER040	752.8	13.9	3500.2		4440.6	2.38	4512.1
6/20/2023	1:42:43 PM	Vermilion	VER040	752.8	14	3502.7		4436.7	2.38	4508
6/20/2023	2:47:57 PM	Vermilion	VER007R	752.5	14.6	2422.3		3021.9	1.58	3068.9
6/20/2023	2:50:57 PM	Vermilion	VER007R	752.3	14.6	2424.3		3022.4	1.59	3069.2
6/20/2023	2:53:57 PM	Vermilion	VER007R	752.5	14.6	2423		3023.2	1.59	3070.2
6/20/2023	3:11:10 PM	Vermilion	VER002	752.4	13.7	706.3		901.6	0.45	916.2
6/20/2023	3:14:10 PM	Vermilion	VER002	752.4	13.6	718.2		918.1	0.46	933.1
6/20/2023	3:17:10 PM	Vermilion	VER002	752.3	13.6	738.8		945.1	0.47	960.6

DATE	TIME	SITE	DATA ID	Barometer (mmHg)	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (psu)	nLFCond (µS/cm)
6/29/2023	11:14:03 AM	Vermilion	VER035D	752.1	18.1	4651	5358.8	2.9	5421.2
6/29/2023	11:17:03 AM	Vermilion	VER035D	752.1	14.2	4132.5	5207.3	2.82	5290.1
6/29/2023	11:20:03 AM	Vermilion	VER035D	752	14.2	4124.2	5195.3	2.81	5277.7

FILE CREATED: 6/22/2023 14:04

DATE	TIME	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (psu)	nLFCond (µS/cm)	TDS (mg/L)	Sigma-T (s t)	Sigma (s)
6/20/2023	9:22:24 AM	13.3	555.3	715.8	0.35	727.6	465	-0.4	-0.4
6/20/2023	9:25:23 AM	13.2	555.9	717.2	0.35	729.1	466	-0.4	-0.4
6/20/2023	9:28:23 AM	13.1	553.5	715.4	0.35	727.3	465	-0.4	-0.4
6/20/2023	10:09:45 AM	13.6	1584.6	2025.9	1.04	2059	1317	0.1	0.1
6/20/2023	10:12:45 AM	13.6	1585.2	2024.9	1.04	2058	1316	0.1	0.1
6/20/2023	10:15:45 AM	13.7	1586.6	2024.9	1.04	2057.9	1316	0.1	0.1
6/20/2023	10:46:52 AM	14.5	2293.4	2865.7	1.5	2910.4	1863	0.3	0.3
6/20/2023	10:49:52 AM	14.5	2331.5	2917.7	1.53	2963.3	1896	0.4	0.4
6/20/2023	10:52:52 AM	14.5	2360.5	2952.5	1.55	2998.6	1919	0.4	0.4
6/20/2023	11:29:42 AM	13	1342.4	1740.1	0.89	1769.2	1131	0.1	0.1
6/20/2023	11:32:42 AM	13	1335.9	1734.8	0.88	1763.8	1128	0.1	0.1
6/20/2023	11:35:42 AM	13	1334.7	1732.9	0.88	1761.9	1126	0.1	0.1
6/20/2023	12:23:46 PM	11.9	804.7	1074.5	0.54	1093.2	698	-0.1	-0.1
6/20/2023	12:26:46 PM	11.7	800.1	1071.3	0.53	1089.9	696	-0.1	-0.1
6/20/2023	12:29:46 PM	11.8	797.3	1066.4	0.53	1084.9	693	-0.1	-0.1
6/20/2023	12:32:46 PM	11.9	795.7	1061.4	0.53	1079.7	690	-0.1	-0.1
6/20/2023	1:08:27 PM	13	865.8	1122.7	0.56	1141.4	730	-0.2	-0.2
6/20/2023	1:11:27 PM	13.1	864.6	1119.3	0.56	1138	728	-0.2	-0.2
6/20/2023	1:14:27 PM	13.1	864.7	1118.4	0.56	1137.1	727	-0.2	-0.2
6/20/2023	1:51:27 PM	21.7	793.8	846.4	0.42	851.5	550	-1.8	-1.8
6/20/2023	1:54:27 PM	21.7	793.7	847.5	0.42	852.7	551	-1.8	-1.8
6/20/2023	1:57:27 PM	21.9	797.5	848.2	0.42	853.1	551	-1.9	-1.9
6/20/2023	2:27:28 PM	13.3	568.8	732.6	0.36	744.7	476	-0.4	-0.4
6/20/2023	2:30:28 PM	13.1	564.4	729.7	0.36	741.8	474	-0.4	-0.4
6/20/2023	2:33:28 PM	13.2	561.9	726	0.36	738	472	-0.4	-0.4
6/20/2023	3:02:09 PM	12.3	747.7	987	0.49	1003.9	642	-0.2	-0.2
6/20/2023	3:05:09 PM	12.3	746.2	984.3	0.49	1001.1	640	-0.2	-0.2
6/20/2023	3:08:09 PM	12.3	742.5	981.3	0.49	998.2	638	-0.1	-0.1
6/20/2023	3:39:23 PM	13.3	510.2	657.6	0.32	668.5	427	-0.4	-0.4
6/20/2023	3:42:23 PM	13.4	514	660.9	0.32	671.8	430	-0.4	-0.4
6/20/2023	3:45:23 PM	13.3	514.3	662.4	0.32	673.4	431	-0.4	-0.4
6/20/2023	4:20:06 PM	13.1	710.8	919	0.46	934.3	597	-0.3	-0.3
6/20/2023	4:23:06 PM	13	708.1	919.5	0.46	934.9	598	-0.3	-0.3
6/20/2023	4:26:06 PM	13	704.9	915.7	0.45	931.1	595	-0.3	-0.3

FILE CREATED: 6/22/2023 14:04

DATE	TIME	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (psu)	nLFCond (µS/cm)	TDS (mg/L)	Sigma-T (s t)	Sigma (s)
6/21/2023	8:42:38 AM	13	1240.8	1608.3	0.82	1635.2	1045	0	0
6/21/2023	8:45:38 AM	13.5	1262.3	1617.9	0.82	1644.5	1052	0	0
6/21/2023	8:48:38 AM	13.2	1254.1	1620.9	0.82	1647.9	1054	0	0
6/21/2023	9:10:44 AM	13	1204	1561.1	0.79	1587.2	1015	0	0
6/21/2023	9:13:44 AM	13	1195.5	1551.9	0.79	1577.9	1009	0	0
6/21/2023	9:16:44 AM	12.9	1191.8	1548.7	0.79	1574.7	1007	0	0
6/21/2023	9:43:18 AM	13.7	1148.4	1464.5	0.74	1488.3	952	-0.1	-0.1
6/21/2023	9:46:18 AM	13.7	1158.6	1477.1	0.75	1501.1	960	-0.1	-0.1
6/21/2023	9:49:18 AM	13.7	1156.2	1472.7	0.74	1496.6	957	-0.1	-0.1
6/21/2023	10:18:09 AM	12.7	1519.3	1987.3	1.02	2021	1292	0.2	0.2
6/21/2023	10:21:09 AM	12.6	1529.5	2002.6	1.03	2036.6	1302	0.2	0.2
6/21/2023	10:24:09 AM	12.7	1537	2009.9	1.03	2043.9	1306	0.2	0.2
6/21/2023	10:27:09 AM	12.7	1540.7	2015.7	1.03	2049.8	1310	0.2	0.2
6/21/2023	10:30:09 AM	12.6	1546.5	2026.2	1.04	2060.5	1317	0.2	0.2
6/21/2023	10:33:09 AM	12.6	1547.9	2030.1	1.04	2064.5	1320	0.2	0.2
6/21/2023	11:07:18 AM	10.9	1144.7	1568	0.79	1595.6	1019	0.2	0.2
6/21/2023	11:10:18 AM	10.8	1143.5	1568.7	0.8	1596.4	1020	0.3	0.3
6/21/2023	11:13:18 AM	10.6	1142.3	1574.2	0.8	1602	1023	0.3	0.3
6/21/2023	11:16:17 AM	10.7	1143.6	1572.8	0.8	1600.5	1022	0.3	0.3
6/21/2023	11:19:17 AM	10.6	1139.5	1570.3	0.8	1598	1021	0.3	0.3
6/21/2023	11:59:27 AM	12.6	924.8	1212.5	0.61	1233.1	788	-0.1	-0.1
6/21/2023	12:02:27 PM	12.6	924.5	1212.6	0.61	1233.2	788	-0.1	-0.1
6/21/2023	12:05:27 PM	12.6	924	1210.6	0.61	1231.1	787	-0.1	-0.1
6/21/2023	12:08:27 PM	12.6	924.6	1212.7	0.61	1233.3	788	-0.1	-0.1
6/21/2023	12:24:57 PM	13.1	556.2	720.6	0.35	732.6	468	-0.4	-0.4
6/21/2023	12:27:57 PM	13	554.5	719.7	0.35	731.7	468	-0.3	-0.3
6/21/2023	12:30:57 PM	13	554.4	719.8	0.35	731.9	468	-0.3	-0.3

DATE	TIME	TDS (mg/L)	Sigma-T (s t)	Sigma (s)	ODO (mg/L)	pH	pH (mV)	ORP (mV)	TSS (mg/L)
6/20/2023	9:54:03 AM	2437	1	1	0.96	6.84	-20.6	135.9	0
6/20/2023	9:57:03 AM	2357	0.9	0.9	0.87	6.79	-17.7	139.8	0
6/20/2023	10:00:03 AM	2203	0.8	0.8	0.81	6.76	-16.3	141.6	0
6/20/2023	10:23:48 AM	2526	1	1	1.44	7.11	-35.6	176.4	0
6/20/2023	10:26:48 AM	2526	1	1	0.84	6.99	-28.7	176.3	0

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DATE	TIME	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (psu)	nLFCond (µS/cm)	TDS (mg/L)	Sigma-T (s t)	Sigma (s)
6/20/2023	10:29:48 AM	2525	1	1	0.75	6.92	-25.1	176.3	0
6/20/2023	11:40:23 AM	1005	-0.3	-0.3	3.37	6.75	-15.2	119.1	0
6/20/2023	11:43:23 AM	1002	-0.3	-0.3	3.31	6.7	-12.8	126.6	0
6/20/2023	11:46:23 AM	995	-0.3	-0.3	3.28	6.69	-12.1	131	0
6/20/2023	12:11:40 PM	551	-0.4	-0.4	0.82	7.34	-48.1	145.3	0
6/20/2023	12:14:40 PM	551	-0.4	-0.4	0.71	7.31	-46.5	144	0
6/20/2023	12:17:40 PM	552	-0.3	-0.3	0.7	7.29	-45.7	142	0
6/20/2023	1:30:43 PM	2867	1.1	1.1	0.75	6.49	-0.7	80.2	0
6/20/2023	1:33:43 PM	2876	1.1	1.1	0.65	6.48	-0.2	67	0
6/20/2023	1:36:43 PM	2887	1.1	1.1	0.59	6.48	-0.5	57.2	0
6/20/2023	1:39:43 PM	2886	1.1	1.1	0.54	6.49	-1	49.3	0
6/20/2023	1:42:43 PM	2884	1.1	1.1	0.51	6.5	-1.4	42.9	0
6/20/2023	2:47:57 PM	1964	0.4	0.4	1.9	7.8	-74.2	72.2	0
6/20/2023	2:50:57 PM	1965	0.4	0.4	1.65	7.76	-71.6	76.4	0
6/20/2023	2:53:57 PM	1965	0.4	0.4	1.6	7.76	-71.5	77.7	0
6/20/2023	3:11:10 PM	586	-0.4	-0.4	1.13	7.92	-80.6	-17.8	0
6/20/2023	3:14:10 PM	597	-0.3	-0.3	0.88	7.87	-77.6	-47.4	0
6/20/2023	3:17:10 PM	614	-0.3	-0.3	0.85	7.84	-76	-63.8	0

DATE	TIME	TDS (mg/L)	Sigma-T (s t)	Sigma (s)	ODO (mg/L)	ODO (% LocalB)	pH	pH (mV)	ORP (mV)
6/29/2023	11:14:03 AM	3483	0.8	0.8	8.57	93.2	7.7	-69	32
6/29/2023	11:17:03 AM	3385	1.4	1.4	1.33	13.3	7.36	-49.3	-5.9
6/29/2023	11:20:03 AM	3377	1.4	1.4	0.98	9.9	7.33	-47.8	-19.6

FILE CREATED: 6/22/2023 14:04

DATE	TIME	TSS (mg/L)	Turbidity (NTU)
6/20/2023	9:22:24 AM	0	9.86
6/20/2023	9:25:23 AM	0	8.36
6/20/2023	9:28:23 AM	0	6.18
6/20/2023	10:09:45 AM	0	9.98
6/20/2023	10:12:45 AM	0	9.5
6/20/2023	10:15:45 AM	0	7.16
6/20/2023	10:46:52 AM	0	9.64
6/20/2023	10:49:52 AM	0	3.63
6/20/2023	10:52:52 AM	0	2.85
6/20/2023	11:29:42 AM	0	9.67
6/20/2023	11:32:42 AM	0	7.36
6/20/2023	11:35:42 AM	0	5.09
6/20/2023	12:23:46 PM	0	12.96
6/20/2023	12:26:46 PM	0	11.87
6/20/2023	12:29:46 PM	0	10.83
6/20/2023	12:32:46 PM	0	8.62
6/20/2023	1:08:27 PM	0	7.81
6/20/2023	1:11:27 PM	0	5.88
6/20/2023	1:14:27 PM	0	6.85
6/20/2023	1:51:27 PM	0	9.4
6/20/2023	1:54:27 PM	0	4.3
6/20/2023	1:57:27 PM	0	2.64
6/20/2023	2:27:28 PM	0	9.82
6/20/2023	2:30:28 PM	0	6.81
6/20/2023	2:33:28 PM	0	4.08
6/20/2023	3:02:09 PM	0	9.54
6/20/2023	3:05:09 PM	0	4.95
6/20/2023	3:08:09 PM	0	5.8
6/20/2023	3:39:23 PM	0	10.04
6/20/2023	3:42:23 PM	0	9.76
6/20/2023	3:45:23 PM	0	4.16
6/20/2023	4:20:06 PM	0	101.4
6/20/2023	4:23:06 PM	0	93.63
6/20/2023	4:26:06 PM	0	89.08

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DATE	TIME	TSS (mg/L)	Turbidity (NTU)
6/21/2023	8:42:38 AM	0	36.89
6/21/2023	8:45:38 AM	0	32.81
6/21/2023	8:48:38 AM	0	34.28
6/21/2023	9:10:44 AM	0	9.92
6/21/2023	9:13:44 AM	0	4.96
6/21/2023	9:16:44 AM	0	3.8
6/21/2023	9:43:18 AM	0	9.87
6/21/2023	9:46:18 AM	0	8.64
6/21/2023	9:49:18 AM	0	5.73
6/21/2023	10:18:09 AM	0	28.12
6/21/2023	10:21:09 AM	0	23.25
6/21/2023	10:24:09 AM	0	20.6
6/21/2023	10:27:09 AM	0	15.31
6/21/2023	10:30:09 AM	0	10.68
6/21/2023	10:33:09 AM	0	7.86
6/21/2023	11:07:18 AM	0	21
6/21/2023	11:10:18 AM	0	18.68
6/21/2023	11:13:18 AM	0	13.47
6/21/2023	11:16:17 AM	0	11.97
6/21/2023	11:19:17 AM	0	11.71
6/21/2023	11:59:27 AM	0	12.61
6/21/2023	12:02:27 PM	0	11.24
6/21/2023	12:05:27 PM	0	10.18
6/21/2023	12:08:27 PM	0	8.13
6/21/2023	12:24:57 PM	0	9.99
6/21/2023	12:27:57 PM	0	6.78
6/21/2023	12:30:57 PM	0	4.93

DATE	TIME	Turbidity (NTU)
6/20/2023	9:54:03 AM	58.06
6/20/2023	9:57:03 AM	69.66
6/20/2023	10:00:03 AM	89.41
6/20/2023	10:23:48 AM	7.35
6/20/2023	10:26:48 AM	6.02

FILE CREATED: 6/22/2023 14:04

DATE	TIME	TSS (mg/L)	Turbidity (NTU)
6/20/2023	10:29:48 AM		9.58
6/20/2023	11:40:23 AM	14.86	
6/20/2023	11:43:23 AM	9.57	
6/20/2023	11:46:23 AM	6.44	
6/20/2023	12:11:40 PM	3.38	
6/20/2023	12:14:40 PM	2.47	
6/20/2023	12:17:40 PM	2.8	
6/20/2023	1:30:43 PM	97.28	
6/20/2023	1:33:43 PM	66.1	
6/20/2023	1:36:43 PM	48.2	
6/20/2023	1:39:43 PM	35.91	
6/20/2023	1:42:43 PM	28.09	
6/20/2023	2:47:57 PM	7.48	
6/20/2023	2:50:57 PM	3.87	
6/20/2023	2:53:57 PM	1.93	
6/20/2023	3:11:10 PM	10.05	
6/20/2023	3:14:10 PM	6.13	
6/20/2023	3:17:10 PM	3.77	

DATE	TIME	TSS (mg/L)	Turbidity (NTU)
6/29/2023	11:14:03 AM	0	23.27
6/29/2023	11:17:03 AM	0	6.65
6/29/2023	11:20:03 AM	0	8.29

Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 16 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER002	6/20/2023	15:17	1517	13.6	56.48	7.84	945.1	945.1	0.85
VER003R	6/21/2023	8:48	0848	13.2	55.76	7.06	1620.9	1620.9	0.7
VER004	6/21/2023	12:30	1230	13	55.4	7.44	719.8	719.8	0.62
VER005	6/20/2023	14:33	1433	13.2	55.76	7.41	726	726	0.54
VER007R	6/20/2023	14:53	1453	14.6	58.28	7.76	3023.2	3023.2	1.6
VER008R	6/21/2023	9:16	0916	12.9	55.22	7.87	1548.7	1548.7	0.74
VER010	6/20/2023	11:46	1146	15	59	6.69	1531.4	1531.4	3.28
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)
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)
VER017	6/20/2023	10:15	1015	13.7	56.66	6.79	2024.9	2024.9	0.54
VER020	6/20/2023	15:45	1545	13.3	55.94	7.02	662.4	662.4	0.62
VER021	6/20/2023	9:28	0928	13.1	55.58	7.04	715.4	715.4	1.04
VER022	6/20/2023	12:17	1217	13.4	56.12	7.29	849.8	849.8	0.7
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)
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)
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)
VER034	6/20/2023	16:26	1626	13	55.4	7.06	915.7	915.7	0.36
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)
VER035D	6/29/2023	11:20	1120	14.2	57.56	7.33	5195.3	5195.3	0.98
VER036	6/21/2023	10:33	1033	12.6	54.68	7.11	2030.1	2030.1	0.42
VER037	6/21/2023	9:49	0949	13.7	56.66	6.84	1472.7	1472.7	0.54
VER038	6/20/2023	15:08	1508	12.3	54.14	6.97	981.3	981.3	0.44
VER040	6/20/2023	13:42	1342	14	57.2	6.5	4436.7	4436.7	0.51
VER041	6/21/2023	12:08	1208	12.6	54.68	7.04	1212.7	1212.7	0.37
VER042	6/20/2023	12:32	1232	11.9	53.42	7.32	1061.4	1061.4	0.66
VER043	6/20/2023	13:14	1314	13.1	55.58	7.25	1118.4	1118.4	0.4
VER070S	6/21/2023	11:19	1119	10.6	51.08	6.92	1570.3	1570.3	0.54
VER070D	6/20/2023	10:00	1000	12.8	55.04	6.76	3389.5	3389.5	0.81
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)
VER071D	6/20/2023	10:29	1029	12.8	55.04	6.92	3884.3	3884.3	0.75
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)
VER101	6/20/2023	13:57	1357	21.9	71.42	7.09	848.2	848.2	6.59
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)
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)
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)
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)



Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 17 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
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)
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)
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)
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)
VERND3	6/20/2023	11:35	1135	13	55.4	8.4	1732.9	1732.9	2.35
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)
VEROED1	6/20/2023	10:52	1052	14.5	58.1	10.12	2952.5	2952.5	1.94
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)
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)
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)

Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 18 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
VER002	6/20/2023	3.77	-63.8			19.36			23060419-001A
VER003R	6/21/2023	34.28	-29.6			7.86			23060419-002A
VER004	6/21/2023	4.93	-92.9			8.15			23060419-003A
VER005	6/20/2023	4.08	24.6			8.24			23060419-004A
VER007R	6/20/2023	1.93	77.7			15.79			23060419-005A
VER008R	6/21/2023	3.8	-24.9			13.47			23060419-006A
VER010	6/20/2023	6.44	131			48.57			23060419-007A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		Dry			23060419-008A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		broken			23060419-009A
VER017	6/20/2023	7.16	-40.7			38.38			23060419-010A
VER020	6/20/2023	4.16	-38.7			14.91			23060419-011A
VER021	6/20/2023	6.18	-66.6			90.85			23060419-012A
VER022	6/20/2023	2.8	142			54.29			23060419-013A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		14.06			23060419-014A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		21.93			23060419-015A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		16.86			23060419-016A
VER034	6/20/2023	89.08	-106.1			14.59			23060419-017A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		DRY			23060419-018A
VER035D	6/29/2023	8.29	-19.6			13.16			23060419-019A
VER036	6/21/2023	7.86	-66.3			14.48			23060419-020A
VER037	6/21/2023	5.73	-52.3			7.82			23060419-021A
VER038	6/20/2023	5.8	-97.5			7.4			23060419-022A
VER040	6/20/2023	28.09	42.9			14.52			23060419-023A
VER041	6/21/2023	8.13	-86.4			6.81			23060419-024A
VER042	6/20/2023	8.62	-122.2			25.48			23060419-025A
VER043	6/20/2023	6.85	-124.5			15.62			23060419-026A
VER070S	6/21/2023	11.71	14.2			14.2			23060419-027A
VER070D	6/20/2023	89.41	141.6			36.19			23060419-028A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		DRY			23060419-029A
VER071D	6/20/2023	9.58	176.3			37.12			23060419-030A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		58.27			23060419-031A
VER101	6/20/2023	2.64	19.4			108.39			23060419-032A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		71.64			23060419-033A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		124.19			23060419-034A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		57.6			23060419-035A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		137.2			23060419-036A

Site Sampling Event	Ver_2Q_2023
LIMS Workorder	23060419
Technician	JC,BG,TAC

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Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		72.06			23060419-037A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		125.68			23060419-038A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		70.25			23060419-039A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		119.86			23060419-040A
VERND3	6/20/2023	5.09	47.5			16.85			23060419-041A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)					23060419-042A
VEROED1	6/20/2023	2.85	-37.5			39.92			23060419-043A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		8.91			23060419-044A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)					23060419-045A
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)		48.57			23060419-046A

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VER-845-910-911

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)
VER002	6/20/2023	15:11	1511	19.36		13.7	56.66	7.92	901.6	901.6
VER002	6/20/2023	15:14	1514	19.36		13.6	56.48	7.87	918.1	918.1
VER002	6/20/2023	15:17	1517	19.36		13.6	56.48	7.84	945.1	945.1

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER002	6/20/2023
VER002	6/20/2023
VER002	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
1.13	10.05	-17.8	
0.88	6.13	-47.4	
0.85	3.77	-63.8	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VER-845-910-911

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)
VER003R	6/21/2023	8:42	0842	7.86		13	55.4	7.04	1608.3	1608.3
VER003R	6/21/2023	8:45	0845	7.86		13.5	56.3	7.05	1617.9	1617.9
VER003R	6/21/2023	8:48	0848	7.86		13.2	55.76	7.06	1620.9	1620.9

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER003R	6/21/2023
VER003R	6/21/2023
VER003R	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.55	36.89	-9.9	
2.3	32.81	-13.7	
0.7	34.28	-29.6	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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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)
VER004	6/21/2023	12:24	1224	8.15		13.1	55.58	7.47	720.6	720.6
VER004	6/21/2023	12:27	1227	8.15		13	55.4	7.45	719.7	719.7
VER004	6/21/2023	12:30	1230	8.15		13	55.4	7.44	719.8	719.8



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER004	6/21/2023
VER004	6/21/2023
VER004	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.98	9.99	-75.8	
0.97	6.78	-85.3	
0.62	4.93	-92.9	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
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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)
VER005	6/20/2023	14:27	1427	8.24		13.3	55.94	7.47	732.6	732.6
VER005	6/20/2023	14:30	1430	8.24		13.1	55.58	7.42	729.7	729.7
VER005	6/20/2023	14:33	1433	8.24		13.2	55.76	7.41	726	726

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER005	6/20/2023
VER005	6/20/2023
VER005	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.78	9.82	27	
0.62	6.81	26.3	
0.54	4.08	24.6	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER007R	6/20/2023	14:47	1447	15.79		14.6	58.28	7.8	3021.9	3021.9
VER007R	6/20/2023	14:50	1450	15.79		14.6	58.28	7.76	3022.4	3022.4
VER007R	6/20/2023	14:53	1453	15.79		14.6	58.28	7.76	3023.2	3023.2

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER007R	6/20/2023
VER007R	6/20/2023
VER007R	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
1.9	7.48	72.2	
1.65	3.87	76.4	
1.6	1.93	77.7	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VER-845-910-911

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)
VER008R	6/21/2023	9:10	0910	13.47		13	55.4	7.53	1561.1	1561.1
VER008R	6/21/2023	9:13	0913	13.47		13	55.4	7.78	1551.9	1551.9
VER008R	6/21/2023	9:16	0916	13.47		12.9	55.22	7.87	1548.7	1548.7

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER008R	6/21/2023
VER008R	6/21/2023
VER008R	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
1.19	9.92	11.1	
0.89	4.96	-9.8	
0.74	3.8	-24.9	

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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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)
VER010	6/20/2023	11:40	1140	48.57		14.9	58.82	6.75	1545.7	1545.7
VER010	6/20/2023	11:43	1143	48.57		14.8	58.64	6.7	1541.9	1541.9
VER010	6/20/2023	11:46	1146	48.57		15	59	6.69	1531.4	1531.4



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER010	6/20/2023
VER010	6/20/2023
VER010	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
3.37	14.86	119.1	
3.31	9.57	126.6	
3.28	6.44	131	

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VER-845-910-911

Site Sampling Event	VER-Q2-2023									
LIMS Workorder	23060419									
Technician										
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)
16B	06/19/2023	1340	1340	DRY						

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
16B	06/19/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023						
LIMS Workorder	23060419						
Technician							
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)
16A	06/19/2023	1341	1341	broken			

Site Sampling Event	VER-Q2-2023			
LIMS Workorder	23060419			
Technician				
Well ID	Date	pH (SU)	Sp Cond ( $\mu\text{S}/\text{cm}$ )	Sp Cond ( $\mu\text{mhos}/\text{cm}$ @25C)
16A	06/19/2023			

Site Sampling Event	VER-Q2-2023				
LIMS Workorder	23060419				
Technician					
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
16A	06/19/2023				

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER017	6/20/2023	10:09	1009	38.38		13.6	56.48	6.78	2025.9	2025.9
VER017	6/20/2023	10:12	1012	38.38		13.6	56.48	6.79	2024.9	2024.9
VER017	6/20/2023	10:15	1015	38.38		13.7	56.66	6.79	2024.9	2024.9

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER017	6/20/2023
VER017	6/20/2023
VER017	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.55	9.98	-37.6	
0.54	9.5	-39.3	
0.54	7.16	-40.7	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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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)
VER020	6/20/2023	15:39	1539	14.91		13.3	55.94	7.05	657.6	657.6
VER020	6/20/2023	15:42	1542	14.91		13.4	56.12	7.04	660.9	660.9
VER020	6/20/2023	15:45	1545	14.91		13.3	55.94	7.02	662.4	662.4

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER020	6/20/2023
VER020	6/20/2023
VER020	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.78	10.04	-40.7	
0.69	9.76	-39.9	
0.62	4.16	-38.7	

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VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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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)
VER021	6/20/2023	9:22	0922	90.85		13.3	55.94	7.02	715.8	715.8
VER021	6/20/2023	9:25	0925	90.85		13.2	55.76	7.02	717.2	717.2
VER021	6/20/2023	9:28	0928	90.85		13.1	55.58	7.04	715.4	715.4

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER021	6/20/2023
VER021	6/20/2023
VER021	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
2.28	9.86	-25.4	
1.25	8.36	-56.6	
1.04	6.18	-66.6	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER022	6/20/2023	12:11	1211	54.29		13.5	56.3	7.34	847.8	847.8
VER022	6/20/2023	12:14	1214	54.29		13.6	56.48	7.31	847.5	847.5
VER022	6/20/2023	12:17	1217	54.29		13.4	56.12	7.29	849.8	849.8

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER022	6/20/2023
VER022	6/20/2023
VER022	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.82	3.38	145.3	
0.71	2.47	144	
0.7	2.8	142	

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
23	06/29/2023

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Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1052	1052	14.06						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
23	06/29/2023

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ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)



Site Sampling Event	VER-Q2-2023									
LIMS Workorder	23060419									
Technician										
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)
24	6.29.23	1053	1053	21.93						

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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
24	6.29.23

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ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
25	06/20/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
931	0931	16.86						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
25	06/20/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER034	6/20/2023	16:20	1620	14.59		13.1	55.58	7.04	919	919
VER034	6/20/2023	16:23	1623	14.59		13	55.4	7.05	919.5	919.5
VER034	6/20/2023	16:26	1626	14.59		13	55.4	7.06	915.7	915.7

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER034	6/20/2023
VER034	6/20/2023
VER034	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.4	101.4	-99.5	
0.37	93.63	-103.2	
0.36	89.08	-106.1	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023									
LIMS Workorder	23060419									
Technician										
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)
35S	6.29.23	1050	1050	DRY						

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
35S	6.29.23

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER035D	6/29/2023	11:14	1114	13.16		18.1	64.58	7.7	5358.8	5358.8
VER035D	6/29/2023	11:17	1117	13.16		14.2	57.56	7.36	5207.3	5207.3
VER035D	6/29/2023	11:20	1120	13.16		14.2	57.56	7.33	5195.3	5195.3

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER035D	6/29/2023
VER035D	6/29/2023
VER035D	6/29/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
8.57	23.27	32	
1.33	6.65	-5.9	
0.98	8.29	-19.6	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER036	6/21/2023	10:18	1018	14.48		12.7	54.86	7.05	1987.3	1987.3
VER036	6/21/2023	10:21	1021	14.48		12.6	54.68	7.06	2002.6	2002.6
VER036	6/21/2023	10:24	1024	14.48		12.7	54.86	7.07	2009.9	2009.9
VER036	6/21/2023	10:27	1027	14.48		12.7	54.86	7.08	2015.7	2015.7
VER036	6/21/2023	10:30	1030	14.48		12.6	54.68	7.1	2026.2	2026.2
VER036	6/21/2023	10:33	1033	14.48		12.6	54.68	7.11	2030.1	2030.1

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER036	6/21/2023
VER036	6/21/2023
VER036	6/21/2023
VER036	6/21/2023
VER036	6/21/2023
VER036	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.54	28.12	-56.6	
0.5	23.25	-59.1	
0.47	20.6	-61.3	
0.45	15.31	-63.2	
0.43	10.68	-64.8	
0.42	7.86	-66.3	

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER037	6/21/2023	9:43	0943	7.82		13.7	56.66	6.86	1464.5	1464.5
VER037	6/21/2023	9:46	0946	7.82		13.7	56.66	6.84	1477.1	1477.1
VER037	6/21/2023	9:49	0949	7.82		13.7	56.66	6.84	1472.7	1472.7

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER037	6/21/2023
VER037	6/21/2023
VER037	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.82	9.87	-7.8	
0.63	8.64	-38.6	
0.54	5.73	-52.3	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER038	6/20/2023	15:02	1502	7.4		12.3	54.14	6.96	987	987
VER038	6/20/2023	15:05	1505	7.4		12.3	54.14	6.96	984.3	984.3
VER038	6/20/2023	15:08	1508	7.4		12.3	54.14	6.97	981.3	981.3

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER038	6/20/2023
VER038	6/20/2023
VER038	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.58	9.54	-84.3	
0.49	4.95	-91.9	
0.44	5.8	-97.5	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER040	6/20/2023	13:30	1330	14.52		14.2	57.56	6.49	4411.3	4411.3
VER040	6/20/2023	13:33	1333	14.52		14.2	57.56	6.48	4423.9	4423.9
VER040	6/20/2023	13:36	1336	14.52		14	57.2	6.48	4440.9	4440.9
VER040	6/20/2023	13:39	1339	14.52		13.9	57.02	6.49	4440.6	4440.6
VER040	6/20/2023	13:42	1342	14.52		14	57.2	6.5	4436.7	4436.7

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER040	6/20/2023
VER040	6/20/2023
VER040	6/20/2023
VER040	6/20/2023
VER040	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.75	97.28	80.2	
0.65	66.1	67	
0.59	48.2	57.2	
0.54	35.91	49.3	
0.51	28.09	42.9	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023									
LIMS Workorder	23060419									
Technician										
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)
VER041	6/21/2023	11:59	1159	6.81		12.6	54.68	7.02	1212.5	1212.5
VER041	6/21/2023	12:02	1202	6.81		12.6	54.68	7.03	1212.6	1212.6
VER041	6/21/2023	12:05	1205	6.81		12.6	54.68	7.03	1210.6	1210.6
VER041	6/21/2023	12:08	1208	6.81		12.6	54.68	7.04	1212.7	1212.7

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER041	6/21/2023
VER041	6/21/2023
VER041	6/21/2023
VER041	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.42	12.61	-73.8	
0.4	11.24	-79	
0.38	10.18	-83	
0.37	8.13	-86.4	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023									
LIMS Workorder	23060419									
Technician										
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)
VER042	6/20/2023	12:23	1223	25.48		11.9	53.42	7.36	1074.5	1074.5
VER042	6/20/2023	12:26	1226	25.48		11.7	53.06	7.34	1071.3	1071.3
VER042	6/20/2023	12:29	1229	25.48		11.8	53.24	7.33	1066.4	1066.4
VER042	6/20/2023	12:32	1232	25.48		11.9	53.42	7.32	1061.4	1061.4

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER042	6/20/2023
VER042	6/20/2023
VER042	6/20/2023
VER042	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.75	12.96	-119	
0.71	11.87	-120.3	
0.75	10.83	-121.3	
0.66	8.62	-122.2	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER043	6/20/2023	13:08	1308	15.62		13	55.4	7.25	1122.7	1122.7
VER043	6/20/2023	13:11	1311	15.62		13.1	55.58	7.25	1119.3	1119.3
VER043	6/20/2023	13:14	1314	15.62		13.1	55.58	7.25	1118.4	1118.4

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER043	6/20/2023
VER043	6/20/2023
VER043	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.42	7.81	-120.9	
0.4	5.88	-123	
0.4	6.85	-124.5	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER070S	6/21/2023	11:07	1107	14.2		10.9	51.62	6.99	1568	1568
VER070S	6/21/2023	11:10	1110	14.2		10.8	51.44	6.96	1568.7	1568.7
VER070S	6/21/2023	11:13	1113	14.2		10.6	51.08	6.94	1574.2	1574.2
VER070S	6/21/2023	11:16	1116	14.2		10.7	51.26	6.93	1572.8	1572.8
VER070S	6/21/2023	11:19	1119	14.2		10.6	51.08	6.92	1570.3	1570.3

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER070S	6/21/2023
VER070S	6/21/2023
VER070S	6/21/2023
VER070S	6/21/2023
VER070S	6/21/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.8	21	15.2	
0.62	18.68	15	
0.57	13.47	14.8	
0.55	11.97	14.5	
0.54	11.71	14.2	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER070D	6/20/2023	9:54	0954	36.19		12.8	55.04	6.84	3748.7	3748.7
VER070D	6/20/2023	9:57	0957	36.19		12.7	54.86	6.79	3625.9	3625.9
VER070D	6/20/2023	10:00	1000	36.19		12.8	55.04	6.76	3389.5	3389.5

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER070D	6/20/2023
VER070D	6/20/2023
VER070D	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
0.96	58.06	135.9	
0.87	69.66	139.8	
0.81	89.41	141.6	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
71S	06/19/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1331	1331	DRY						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
71S	06/19/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VER071D	6/20/2023	10:23	1023	37.12		13.1	55.58	7.11	3885.6	3885.6
VER071D	6/20/2023	10:26	1026	37.12		12.9	55.22	6.99	3885.8	3885.8
VER071D	6/20/2023	10:29	1029	37.12		12.8	55.04	6.92	3884.3	3884.3

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER071D	6/20/2023
VER071D	6/20/2023
VER071D	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
1.44	7.35	176.4	
0.84	6.02	176.3	
0.75	9.58	176.3	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
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Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VER-845-910-911

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)
101S	6.19.23	1318	1318	58.27						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
101S	6.19.23

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)
VER101	6/20/2023	13:51	1351	108.39		21.7	71.06	7.22	846.4
VER101	6/20/2023	13:54	1354	108.39		21.7	71.06	7.13	847.5
VER101	6/20/2023	13:57	1357	108.39		21.9	71.42	7.09	848.2

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VER101	6/20/2023
VER101	6/20/2023
VER101	6/20/2023

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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Sp Cond ( $\mu$ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
846.4	8.1	9.4	9.3	
847.5	7.42	4.3	15.5	
848.2	6.59	2.64	19.4	

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
102S	6.19.23	1314	1314	71.64						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
102S	6.19.23

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 86 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
102	06/19/2023

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)
1315	1315	124.19					

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 87 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
102	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 88 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Sp Cond ( $\mu$ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
103S	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 89 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1327	1327	57.6						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
103S	06/19/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 90 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
103	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 91 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1329	1329	137.2						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
103	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 92 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
104S	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 93 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1308	1308	72.06						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
104S	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 94 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
104	06/19/2023

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)
1307	1307	125.68					

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 95 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
104	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 96 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Sp Cond ( $\mu$ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
105S	06/19/2023

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1332	1332	70.25						

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 97 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
105S	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 98 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
105	06/19/2023

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)
1334	1334	119.86					

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 99 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
105	06/19/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 100 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Sp Cond ( $\mu$ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 101 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VERND3	6/20/2023	11:29	1129	16.85		13	55.4	8.37	1740.1	1740.1
VERND3	6/20/2023	11:32	1132	16.85		13	55.4	8.38	1734.8	1734.8
VERND3	6/20/2023	11:35	1135	16.85		13	55.4	8.4	1732.9	1732.9

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VERND3	6/20/2023
VERND3	6/20/2023
VERND3	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
3.45	9.67	47.7	
2.74	7.36	47.9	
2.35	5.09	47.5	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 102 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
NED1	could not locate

ATTACHMENT B.  
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VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)



Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 105 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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)
VEROED1	6/20/2023	10:46	1046	39.92		14.5	58.1	9.86	2865.7	2865.7
VEROED1	6/20/2023	10:49	1049	39.92		14.5	58.1	10.04	2917.7	2917.7
VEROED1	6/20/2023	10:52	1052	39.92		14.5	58.1	10.12	2952.5	2952.5

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
VEROED1	6/20/2023
VEROED1	6/20/2023
VEROED1	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
2.38	9.64	-25.5	
2.36	3.63	-34	
1.94	2.85	-37.5	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 106 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
SG01	06/20/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 107 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
920	0920	8.91						

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
SG01	06/20/2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 108 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
Field Blank	6/20/2023 0:00

Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μS/cm)	Sp Cond (μmhos/cm @25C)
1630	1630							

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 109 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
Field Blank	6/20/2023 0:00

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 110 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 111 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911

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 ( $\mu\text{mhos}/\text{cm} @25\text{C}$ )
Duplicate	6/20/2023	11:40	1140	48.6		14.9	58.82	6.75	1545.7	1545.7
Duplicate	6/20/2023	11:43	1143	48.6		14.8	58.64	6.7	1541.9	1541.9
Duplicate	6/20/2023	11:46	1146	48.6		15	59	6.69	1531.4	1531.4

Site Sampling Event	VER-Q2-2023
LIMS Workorder	23060419
Technician	
Well ID	Date
Duplicate	6/20/2023
Duplicate	6/20/2023
Duplicate	6/20/2023

ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
3.37	14.86	119.1	
3.31	9.57	126.6	
3.28	6.44	131	

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023 Page 112 of 116  
VERMILION, NORTH ASH POND AND ORIGINAL EAST ASH POND  
VER-845-910-911



### Field Analysis Log

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	DF	Read1/units	DF	Read2/units	
LCS	6-20-23	0834	22.8		7.10			1432						
ccv	6-20-23	1710	21.3		7.06			1451						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

	SW846	Std Methods		Lot #		Lot #		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 __7__	_____	Conductivity LCS/LCSD _____	_____	LCS/LCSD _____	_____

pH Calibration  
 Date: 6-20-23  
 Time: 0821

Reading	_____
3.95	_____
7.05	_____
10.06	_____

Conductivity Calibration

_____	μS	0-199.9	Reading	_____	units	_____
1454	μS	0-1999	_____	_____	μS	_____
_____	mS	0-19.99	_____	_____	mS	_____

\_\_\_\_\_ Calibration

Std _____	Units _____	Reading _____
Std _____	Units _____	_____
Std _____	Units _____	_____

Field Analyst Sig & Date: \_\_\_\_\_ 6-20-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_ 6-20-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:

### Field Analysis Log

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	DF	Read1/units	DF	Read2/units	
LCS	6/20/23	855	22.1	7.10				1412						
ccv	6/20/23	1638	31.6	7.07				1416						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity: Pino Rental \*\*\*\* Field Meter ID for ( ): \_\_\_\_\_

SW846	Std Methods	Lot #			
Field Temp SOP 1156	2550 B	pH 4.0 Buffer	<u>WC 23042A</u>	Conductivity Std. <u>1412</u>	<u>74610</u>
pH in the Field SOP 1152	9040B	pH 7.0 Buffer	<u>WC 2305043</u>	Conductivity Std. _____	Std. _____
Field Cond. SOP 1155	9050A	pH 10.0 Buffer	<u>WC 2305040</u>	Conductivity Std. _____	Std. _____
Other: _____		pH LCS/LCSD <u>7</u>	<u>WC 2302108</u>	Conductivity LCS/LCSD _____	LCS/LCSD _____

pH Calibration	Reading	Conductivity Calibration	Reading	units	Calibration	Reading
Date: <u>6/20/23</u>	<u>4.00</u>	<u>1412</u>	<u>1412</u>	<u>µS</u>	Std. _____	Units _____
Time: <u>840</u>	<u>7.01</u>			<u>µS</u>	Std. _____	Units _____
	<u>10.03</u>			<u>mS</u>	Std. _____	Units _____

Field Analyst Sig & Date: <u>Jessy Carrillo 6/20/23</u>	Field Analyst Sig & Date: <u>Jessy Carrillo 6/20/23</u>	Field Analyst Sig & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____

Comments:

### Field Analysis Log

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	DF	Read1/units	DF	Read2/units	
LCS	6-21-23	0815	22.8		7.06			1422						
ccv	6-21-23	1258	20.8		7.05			1396						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	Lot #	Conductivity Std.	Lot #	Std.	Lot #
pH in the Field SOP 1152	9040B	4500-H B	_____	Conductivity Std.	_____	_____	_____
Field Cond. SOP 1155	9050A	2510 B	_____	Conductivity Std.	_____	_____	_____
Other: _____			_____	Conductivity LCS/LCSD	_____	LCS/LCSD	_____

pH Calibration  
 Date: 6-21-23  
 Time: 0800

Reading	4.01
_____	7.02
_____	9.98

Conductivity Calibration

_____	μS	0-199.9	_____	μS
_____	μS	0-1999	1415	μS
_____	mS	0-19.99	_____	mS

\_\_\_\_\_ Calibration

Std	Units	_____	Reading
Std	Units	_____	_____
Std	Units	_____	_____

Field Analyst Sig & Date: AWA CA 6-21-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: AWA CA 6-21-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Field Analyst Sig & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:

### Field Analysis Log

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	DF	Read1/units	DF	Read2/units	
LCS	6-29-23	1051	21.1		7.04			1425						
ccv	6-29-23	1132	22.3		7.05			1463						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	2550 B	pH 4.0 Buffer	Lot #	Conductivity Std. _____	**** Field Meter ID for ( _____ ) :	Lot #	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 __7__	_____	Conductivity LCS/LCSD _____		_____	LCS/LCSD _____

pH Calibration	Reading	4.02	Conductivity Calibration	Reading	units	Std. _____	Calibration	Reading
Date: 6-29-23		7.03	_____	_____	μS	0-199.9	_____	_____
Time: 1039		10.01	_____	1418	μS	0-1999	_____	_____
			_____	_____	mS	0-19.99	_____	_____

Field Analyst Sig & Date: <u>[Signature]</u> 6-29-23	Field Analyst Sig & Date: <u>[Signature]</u> 6-29-23	Field Analyst Sig & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____

Comments:

**ATTACHMENT C  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND  
QUARTER 2 2023**

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
02	LGU	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
02	LGU	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	9	11	CI around mean	0.00489	0.0600
02	LGU	E001	Barium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.193	0.520
02	LGU	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
02	LGU	E001	Boron, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.305	2.45
02	LGU	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.002	0.001
02	LGU	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	20.9	82.0
02	LGU	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.005	0.0200
02	LGU	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.00400
02	LGU	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	0.443	1.14
02	LGU	E001	Lead, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0075	0.00600
02	LGU	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	9	33	CI around mean	0.00269	0.0300
02	LGU	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
02	LGU	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.01	0.0200
02	LGU	E001	pH (field)	SU	03/31/21 - 06/20/23	9	0	CI around mean	7.3/7.7	6.8/7.8
02	LGU	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	9	0	CI around mean	0.385	1.90
02	LGU	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
02	LGU	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	9	0	CB around linear reg	-33.8	227
02	LGU	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.002	0.002
02	LGU	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	543	746
03R	LGU	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
03R	LGU	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.00393	0.0600
03R	LGU	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.281	0.520
03R	LGU	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
03R	LGU	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	19.1	2.45
03R	LGU	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.001	0.001
03R	LGU	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	3	CI around mean	27	82.0

**ATTACHMENT C.**

**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
03R	LGU	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	0.0015	0.0200
03R	LGU	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.001	0.00400
03R	LGU	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.447	1.14
03R	LGU	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	0.001	0.00600
03R	LGU	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.003	0.0300
03R	LGU	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
03R	LGU	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.163	0.0200
03R	LGU	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	7.1/7.4	6.8/7.8
03R	LGU	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/21/23	8	0	CI around mean	0.764	1.90
03R	LGU	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
03R	LGU	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	483	227
03R	LGU	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
03R	LGU	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	1,070	746
04	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
04	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around geomean	0.00521	0.0600
04	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.237	0.520
04	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
04	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	8.28	2.45
04	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.001
04	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	12	82.0
04	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.005	0.0200
04	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	89	Most recent sample	0.001	0.00400
04	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.295	1.14
04	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.00600
04	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.0476	0.0300
04	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
04	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.0247	0.0200

**ATTACHMENT C.**  
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VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
04	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	7.3/7.5	6.8/7.8
04	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/21/23	8	0	CI around mean	0.523	1.90
04	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
04	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	58.1	227
04	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
04	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	393	746
05	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
05	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.01	0.0600
05	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0214	0.520
05	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
05	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	18.1	2.45
05	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.001
05	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	3	CI around median	9	82.0
05	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.0200
05	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00400
05	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.652	1.14
05	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.00600
05	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.0855	0.0300
05	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
05	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.0364	0.0200
05	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	7.1/7.4	6.8/7.8
05	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/20/23	8	0	CI around mean	-0.143	1.90
05	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
05	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	141	227
05	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002
05	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	517	746
07R	UA	E001	Antimony, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.00100



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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
07R	UA	E001	Arsenic, total	mg/L	05/12/21 - 06/20/23	7	14	CI around geomean	0.000566	0.0600
07R	UA	E001	Barium, total	mg/L	05/12/21 - 06/20/23	7	0	CI around median	0.0176	0.520
07R	UA	E001	Beryllium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.0005	0.001
07R	UA	E001	Boron, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	31.3	2.45
07R	UA	E001	Cadmium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.001
07R	UA	E001	Chloride, total	mg/L	05/12/21 - 06/20/23	7	0	CI around median	4	82.0
07R	UA	E001	Chromium, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.0200
07R	UA	E001	Cobalt, total	mg/L	05/12/21 - 06/20/23	7	71	CI around median	0.001	0.00400
07R	UA	E001	Fluoride, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.115	1.14
07R	UA	E001	Lead, total	mg/L	05/12/21 - 06/20/23	7	57	CI around median	0.001	0.00600
07R	UA	E001	Lithium, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.531	0.0300
07R	UA	E001	Mercury, total	mg/L	05/12/21 - 06/20/23	7	100	All ND - Last	0.0002	0.0002
07R	UA	E001	Molybdenum, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	0.387	0.0200
07R	UA	E001	pH (field)	SU	05/12/21 - 06/20/23	7	0	CI around mean	7.2/7.8	6.8/7.8
07R	UA	E001	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 06/20/23	7	0	CI around geomean	0.237	1.90
07R	UA	E001	Selenium, total	mg/L	05/12/21 - 06/20/23	7	29	CI around mean	0.000454	0.001
07R	UA	E001	Sulfate, total	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	1,720	227
07R	UA	E001	Thallium, total	mg/L	05/12/21 - 06/20/23	7	100	All ND - Last	0.002	0.002
07R	UA	E001	Total Dissolved Solids	mg/L	05/12/21 - 06/20/23	7	0	CI around mean	2,860	746
08R	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
08R	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.00933	0.0600
08R	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.0526	0.520
08R	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
08R	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	19.7	2.45
08R	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.001
08R	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	4	82.0
08R	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.005	0.0200

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
08R	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00400
08R	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	67	CI around median	0.1	1.14
08R	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.00600
08R	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around median	0.13	0.0300
08R	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
08R	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.145	0.0200
08R	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	6.8/8.0	6.8/7.8
08R	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/21/23	8	0	CI around mean	0.224	1.90
08R	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
08R	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	397	227
08R	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
08R	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	959	746
17	UA	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.001	0.00100
17	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	6	17	CI around mean	0.00369	0.0600
17	UA	E001	Barium, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.024	0.520
17	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.0005	0.001
17	UA	E001	Boron, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	1.86	2.45
17	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.002	0.001
17	UA	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	8.23	82.0
17	UA	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.005	0.0200
17	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.00126	0.00400
17	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.138	1.14
17	UA	E001	Lead, total	mg/L	03/31/21 - 06/20/23	6	67	CI around median (Last Sample, n<7)	0.0075	0.00600
17	UA	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	0.0179	0.0300
17	UA	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.0002	0.0002
17	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	6	33	CI around mean	0.0017	0.0200
17	UA	E001	pH (field)	SU	03/31/21 - 06/20/23	6	0	CI around mean	6.7/6.9	6.8/7.8

**ATTACHMENT C.**  
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
17	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	6	0	CI around mean	-0.0431	1.90
17	UA	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	6	83	Most recent sample	0.001	0.001
17	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	831	227
17	UA	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	6	100	All ND - Last	0.002	0.002
17	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	6	0	CI around mean	1,380	746
20	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
20	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	78	CI around median	0.001	0.0600
20	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0158	0.520
20	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
20	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.514	2.45
20	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.001
20	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	17	CI around median	4	82.0
20	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.0200
20	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.001	0.00400
20	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.1	1.14
20	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.00600
20	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.0185	0.0300
20	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
20	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.0015	0.0200
20	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.0	6.8/7.8
20	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.29	1.90
20	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
20	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	-38.3	227
20	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002
20	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	379	746
34	LGU	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
34	LGU	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.0238	0.0600

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
34	LGU	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	0.153	0.520
34	LGU	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
34	LGU	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.463	2.45
34	LGU	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.001
34	LGU	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	32.9	82.0
34	LGU	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	22	CI around mean	0.00168	0.0200
34	LGU	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	44	CI around geomean	0.00095	0.00400
34	LGU	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.648	1.14
34	LGU	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	11	CI around mean	0.00144	0.00600
34	LGU	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	33	CI around mean	0.00297	0.0300
34	LGU	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
34	LGU	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	89	CI around median	0.0015	0.0200
34	LGU	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.1	6.8/7.8
34	LGU	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.285	1.90
34	LGU	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
34	LGU	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	90	CI around median	10	227
34	LGU	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002
34	LGU	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around median	475	746
36	UA	E001	Antimony, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
36	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/21/23	9	11	CB around linear reg	0.00374	0.0600
36	UA	E001	Barium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.106	0.520
36	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
36	UA	E001	Boron, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	11.1	2.45
36	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.001
36	UA	E001	Chloride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	19.7	82.0
36	UA	E001	Chromium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.005	0.0200
36	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.00400

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
36	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.253	1.14
36	UA	E001	Lead, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0075	0.00600
36	UA	E001	Lithium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.113	0.0300
36	UA	E001	Mercury, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
36	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.0961	0.0200
36	UA	E001	pH (field)	SU	03/31/21 - 06/21/23	9	0	CI around mean	6.9/7.2	6.8/7.8
36	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/21/23	9	0	CI around mean	1.16	1.90
36	UA	E001	Selenium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
36	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	936	227
36	UA	E001	Thallium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
36	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	1,610	746
37	LGU	E001	Antimony, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
37	LGU	E001	Arsenic, total	mg/L	03/31/21 - 06/21/23	9	0	CB around T-S line	0.0374	0.0600
37	LGU	E001	Barium, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.271	0.520
37	LGU	E001	Beryllium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
37	LGU	E001	Boron, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	1.16	2.45
37	LGU	E001	Cadmium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.001
37	LGU	E001	Chloride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	41.9	82.0
37	LGU	E001	Chromium, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.0015	0.0200
37	LGU	E001	Cobalt, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.00400
37	LGU	E001	Fluoride, total	mg/L	03/31/21 - 06/21/23	9	0	CI around mean	0.598	1.14
37	LGU	E001	Lead, total	mg/L	03/31/21 - 06/21/23	9	78	CI around median	0.001	0.00600
37	LGU	E001	Lithium, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.003	0.0300
37	LGU	E001	Mercury, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
37	LGU	E001	Molybdenum, total	mg/L	03/31/21 - 06/21/23	9	89	CI around median	0.0015	0.0200
37	LGU	E001	pH (field)	SU	03/31/21 - 06/21/23	9	0	CI around mean	6.8/7.1	6.8/7.8
37	LGU	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/21/23	9	0	CI around mean	0.703	1.90

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
37	LGU	E001	Selenium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
37	LGU	E001	Sulfate, total	mg/L	03/31/21 - 06/21/23	9	0	CB around linear reg	216	227
37	LGU	E001	Thallium, total	mg/L	03/31/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
37	LGU	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/21/23	9	0	CB around linear reg	571	746
38	UA	E001	Antimony, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
38	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/20/23	9	0	CB around linear reg	0.0182	0.0600
38	UA	E001	Barium, total	mg/L	03/30/21 - 06/20/23	9	0	CB around T-S line	-0.304	0.520
38	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
38	UA	E001	Boron, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.403	2.45
38	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.001
38	UA	E001	Chloride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around geomean	18	82.0
38	UA	E001	Chromium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.005	0.0200
38	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.00400
38	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	0.341	1.14
38	UA	E001	Lead, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0075	0.00600
38	UA	E001	Lithium, total	mg/L	03/30/21 - 06/20/23	9	33	CB around linear reg	-0.0194	0.0300
38	UA	E001	Mercury, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
38	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/20/23	9	11	CB around linear reg	-0.00657	0.0200
38	UA	E001	pH (field)	SU	03/30/21 - 06/20/23	9	0	CI around mean	6.9/7.2	6.8/7.8
38	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/20/23	8	0	CI around mean	0.774	1.90
38	UA	E001	Selenium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
38	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	10	227
38	UA	E001	Thallium, total	mg/L	03/30/21 - 06/20/23	9	100	All ND - Last	0.002	0.002
38	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/20/23	9	0	CI around mean	484	746
40	UA	E001	Antimony, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.00100
40	UA	E001	Arsenic, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0168	0.0600
40	UA	E001	Barium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.03	0.520

**ATTACHMENT C.**

**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NORTH ASH POND AND OLD EAST ASH POND  
 OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
40	UA	E001	Beryllium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0005	0.001
40	UA	E001	Boron, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	18.7	2.45
40	UA	E001	Cadmium, total	mg/L	03/31/21 - 06/20/23	9	89	CI around median	0.001	0.001
40	UA	E001	Chloride, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	13.2	82.0
40	UA	E001	Chromium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.005	0.0200
40	UA	E001	Cobalt, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0051	0.00400
40	UA	E001	Fluoride, total	mg/L	03/31/21 - 06/20/23	9	78	Most recent sample	0.1	1.14
40	UA	E001	Lead, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0375	0.00600
40	UA	E001	Lithium, total	mg/L	03/31/21 - 06/20/23	9	0	CI around geomean	0.723	0.0300
40	UA	E001	Mercury, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.0002	0.0002
40	UA	E001	Molybdenum, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	0.0636	0.0200
40	UA	E001	pH (field)	SU	03/31/21 - 06/20/23	9	0	CI around mean	6.4/6.6	6.8/7.8
40	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 06/20/23	9	0	CI around mean	0.622	1.90
40	UA	E001	Selenium, total	mg/L	03/31/21 - 06/20/23	9	100	All ND - Last	0.001	0.001
40	UA	E001	Sulfate, total	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	2,760	227
40	UA	E001	Thallium, total	mg/L	03/31/21 - 06/20/23	9	78	CI around median	0.002	0.002
40	UA	E001	Total Dissolved Solids	mg/L	03/31/21 - 06/20/23	9	0	CI around mean	4,330	746
41	UA	E001	Antimony, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00100
41	UA	E001	Arsenic, total	mg/L	03/30/21 - 06/21/23	9	0	CB around linear reg	0.00815	0.0600
41	UA	E001	Barium, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.23	0.520
41	UA	E001	Beryllium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0005	0.001
41	UA	E001	Boron, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	2.53	2.45
41	UA	E001	Cadmium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.001
41	UA	E001	Chloride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	54.7	82.0
41	UA	E001	Chromium, total	mg/L	03/30/21 - 06/21/23	9	89	CI around median	0.0015	0.0200
41	UA	E001	Cobalt, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.00400
41	UA	E001	Fluoride, total	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	0.409	1.14

**ATTACHMENT C.  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**

845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NORTH ASH POND AND OLD EAST ASH POND  
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
41	UA	E001	Lead, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0075	0.00600
41	UA	E001	Lithium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.003	0.0300
41	UA	E001	Mercury, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.0002	0.0002
41	UA	E001	Molybdenum, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.01	0.0200
41	UA	E001	pH (field)	SU	03/30/21 - 06/21/23	9	0	CI around mean	6.9/7.1	6.8/7.8
41	UA	E001	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 06/21/23	8	0	CI around mean	1.13	1.90
41	UA	E001	Selenium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.001	0.001
41	UA	E001	Sulfate, total	mg/L	03/30/21 - 06/21/23	9	78	CI around median	10	227
41	UA	E001	Thallium, total	mg/L	03/30/21 - 06/21/23	9	100	All ND - Last	0.002	0.002
41	UA	E001	Total Dissolved Solids	mg/L	03/30/21 - 06/21/23	9	0	CI around mean	588	746

**Notes:**

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around 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