



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 New East Ash Pond (NEAP); IEPA ID # W183800002-04**

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 New East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W183800002-04. 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, NEAP, Vermilion Power Plant, Oakwood, Illinois*

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

October 2, 2023

Samples were collected on June 20, June 21 and June 29, 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 collected from well 16A due to broken fittings on the dedicated pump and well NED 1 could not be sampled due to inability to access the porewater well. These wells will be revisited during the Quarter 3 2023 sampling event to obtain samples. Samples were also not collected from wells 16B, 35S, and 71S because these wells did not have enough water for sampling, which is a common occurrence for these wells. These wells will be revisited during the Quarter 3 2023 sampling event to continue monitoring.

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 |
|----------|---|

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



## **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

## **TABLES**

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

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NEW EAST ASH POND  
 OAKWOOD, IL

| Well ID | Well Type  | Event | Date       | Parameter                          | Result    | Unit         |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| 10      | Background | E001  | 06/20/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Barium, total                      | 0.0734    | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Boron, total                       | 0.0799 J  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Calcium, total                     | 187       | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Chloride, total                    | 4.00      | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Cobalt, total                      | 0.0160 J  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Dissolved Oxygen                   | 3.28      | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Fluoride, total                    | 0.140     | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Lithium, total                     | 0.0145    | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Oxidation Reduction Potential      | 131       | mV           |
| 10      | Background | E001  | 06/20/2023 | pH (field)                         | 6.7       | SU           |
| 10      | Background | E001  | 06/20/2023 | Radium 226 + Radium 228, total     | 1.08 J    | pCi/L        |
| 10      | Background | E001  | 06/20/2023 | Selenium, total                    | 0.0006 U  | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Specific Conductance @ 25C (field) | 1,530     | micromhos/cm |
| 10      | Background | E001  | 06/20/2023 | Sulfate, total                     | 248       | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Temperature                        | 15.0      | degrees C    |
| 10      | Background | E001  | 06/20/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Total Dissolved Solids             | 946       | mg/L         |
| 10      | Background | E001  | 06/20/2023 | Turbidity, field                   | 6.40      | NTU          |
| 22      | Background | E001  | 06/20/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Barium, total                      | 0.0807    | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Boron, total                       | 0.364     | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Calcium, total                     | 46.2      | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Chloride, total                    | 8.00      | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Cobalt, total                      | 0.0001 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Dissolved Oxygen                   | 0.700     | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Fluoride, total                    | 0.410     | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Lithium, total                     | 0.0316    | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Oxidation Reduction Potential      | 142       | mV           |
| 22      | Background | E001  | 06/20/2023 | pH (field)                         | 7.3       | SU           |
| 22      | Background | E001  | 06/20/2023 | Radium 226 + Radium 228, total     | 1.26 J+   | pCi/L        |
| 22      | 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  
 NEW EAST ASH POND  
 OAKWOOD, IL

| Well ID | Well Type  | Event | Date       | Parameter                          | Result    | Unit         |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| 22      | Background | E001  | 06/20/2023 | Specific Conductance @ 25C (field) | 850       | micromhos/cm |
| 22      | Background | E001  | 06/20/2023 | Sulfate, total                     | 30.0 J+   | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Temperature                        | 13.4      | degrees C    |
| 22      | Background | E001  | 06/20/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Total Dissolved Solids             | 462       | mg/L         |
| 22      | Background | E001  | 06/20/2023 | Turbidity, field                   | 2.80      | NTU          |
| 35D     | Compliance | E001  | 06/29/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Barium, total                      | 0.0237    | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Boron, total                       | 1.69      | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Calcium, total                     | 87.0      | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Chloride, total                    | 493       | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Cobalt, total                      | 0.0004 J  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Dissolved Oxygen                   | 0.980     | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Fluoride, total                    | 0.740     | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Lithium, total                     | 0.144     | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Oxidation Reduction Potential      | -20.0     | mV           |
| 35D     | Compliance | E001  | 06/29/2023 | pH (field)                         | 7.3       | SU           |
| 35D     | Compliance | E001  | 06/29/2023 | Radium 226 + Radium 228, total     | 0.624 <0  | pCi/L        |
| 35D     | Compliance | E001  | 06/29/2023 | Selenium, total                    | 0.0006 U  | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Specific Conductance @ 25C (field) | 5,200     | micromhos/cm |
| 35D     | Compliance | E001  | 06/29/2023 | Sulfate, total                     | 1,340     | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Temperature                        | 14.2      | degrees C    |
| 35D     | Compliance | E001  | 06/29/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Total Dissolved Solids             | 3,370     | mg/L         |
| 35D     | Compliance | E001  | 06/29/2023 | Turbidity, field                   | 8.30      | NTU          |
| 70S     | Compliance | E001  | 06/21/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Barium, total                      | 0.0183    | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Boron, total                       | 0.398     | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Calcium, total                     | 224       | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Chloride, total                    | 14.0      | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Cobalt, total                      | 0.0003 J  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Dissolved Oxygen                   | 0.540     | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Fluoride, total                    | 0.150     | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Lithium, total                     | 0.0150    | mg/L         |

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

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NEW EAST ASH POND  
 OAKWOOD, IL

| Well ID | Well Type  | Event | Date       | Parameter                          | Result    | Unit         |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| 70S     | Compliance | E001  | 06/21/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Oxidation Reduction Potential      | 14.0      | mV           |
| 70S     | Compliance | E001  | 06/21/2023 | pH (field)                         | 6.9       | SU           |
| 70S     | Compliance | E001  | 06/21/2023 | Radium 226 + Radium 228, total     | 0.0747    | pCi/L        |
| 70S     | Compliance | E001  | 06/21/2023 | Selenium, total                    | 0.0006 U  | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Specific Conductance @ 25C (field) | 1,570     | micromhos/cm |
| 70S     | Compliance | E001  | 06/21/2023 | Sulfate, total                     | 602       | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Temperature                        | 10.6      | degrees C    |
| 70S     | Compliance | E001  | 06/21/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Total Dissolved Solids             | 1,270     | mg/L         |
| 70S     | Compliance | E001  | 06/21/2023 | Turbidity, field                   | 12.0      | NTU          |
| 70D     | Compliance | E001  | 06/20/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Barium, total                      | 0.399     | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Boron, total                       | 1.57      | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Calcium, total                     | 89.8      | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Chloride, total                    | 573 J-    | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Cobalt, total                      | 0.0004 J  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Dissolved Oxygen                   | 0.810     | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Fluoride, total                    | 0.430     | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Lithium, total                     | 0.0850    | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Oxidation Reduction Potential      | 142       | mV           |
| 70D     | Compliance | E001  | 06/20/2023 | pH (field)                         | 6.8       | SU           |
| 70D     | Compliance | E001  | 06/20/2023 | Radium 226 + Radium 228, total     | 0.606 J+  | pCi/L        |
| 70D     | Compliance | E001  | 06/20/2023 | Selenium, total                    | 0.0006 U  | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Specific Conductance @ 25C (field) | 3,390     | micromhos/cm |
| 70D     | Compliance | E001  | 06/20/2023 | Sulfate, total                     | 52.0 J-   | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Temperature                        | 12.8      | degrees C    |
| 70D     | Compliance | E001  | 06/20/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Total Dissolved Solids             | 1,590     | mg/L         |
| 70D     | Compliance | E001  | 06/20/2023 | Turbidity, field                   | 89.0      | NTU          |
| 71D     | Compliance | E001  | 06/20/2023 | Antimony, total                    | 0.0004 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Arsenic, total                     | 0.0087 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Barium, total                      | 0.531     | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Beryllium, total                   | 0.0002 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Boron, total                       | 1.60      | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Cadmium, total                     | 0.0005 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Calcium, total                     | 47.3      | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Chloride, total                    | 733       | mg/L         |

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

845 QUARTERLY REPORT  
 VERMILION POWER PLANT  
 NEW EAST ASH POND  
 OAKWOOD, IL

| Well ID | Well Type  | Event | Date       | Parameter                          | Result    | Unit         |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| 71D     | Compliance | E001  | 06/20/2023 | Chromium, total                    | 0.0028 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Cobalt, total                      | 0.0006 J  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Dissolved Oxygen                   | 0.750     | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Fluoride, total                    | 0.520     | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Lead, total                        | 0.004 U   | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Lithium, total                     | 0.0792    | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Mercury, total                     | 0.00006 U | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Molybdenum, total                  | 0.0037 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Oxidation Reduction Potential      | 176       | mV           |
| 71D     | Compliance | E001  | 06/20/2023 | pH (field)                         | 6.9       | SU           |
| 71D     | Compliance | E001  | 06/20/2023 | Radium 226 + Radium 228, total     | 2.40 J+   | pCi/L        |
| 71D     | Compliance | E001  | 06/20/2023 | Selenium, total                    | 0.0006 U  | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Specific Conductance @ 25C (field) | 3,880     | micromhos/cm |
| 71D     | Compliance | E001  | 06/20/2023 | Sulfate, total                     | 56.0      | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Temperature                        | 12.8      | degrees C    |
| 71D     | Compliance | E001  | 06/20/2023 | Thallium, total                    | 0.001 U   | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Total Dissolved Solids             | 1,990     | mg/L         |
| 71D     | Compliance | E001  | 06/20/2023 | Turbidity, field                   | 9.60      | NTU          |

**Notes:**

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

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

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



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW 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 |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|---------------------|-------------------|
| 35D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 67         | CI around median        | 0.001              | 0.006   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 11         | CI around mean          | 0.00142            | 0.010   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around median        | 0.0261             | 2.0     | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.0005             | 0.004   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 1.52               | 2       | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.002              | 0.005   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 251                | 200     | Standard            | Exceedance        |
| 35D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 67         | CI around median        | 0.0015             | 0.1     | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/29/23 | 9            | 22         | CI around mean          | 0.000677           | 0.0900  | Background          | No Exceedance     |
| 35D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.688              | 4.0     | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/29/23 | 9            | 44         | CI around geomean       | 0.000903           | 0.0075  | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.104              | 0.04    | Standard            | Exceedance        |
| 35D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.002   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/29/23 | 9            | 11         | CI around mean          | 0.0125             | 0.1     | Standard            | No Exceedance     |
| 35D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/29/23 | 13           | 0          | CI around median        | 7.2/7.7            | 6.3/9.0 | Background/Standard | No Exceedance     |
| 35D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.28               | 7.00    | Background          | No Exceedance     |
| 35D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.001              | 0.05    | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/29/23 | 14           | 0          | CI around mean          | 1,040              | 400     | Standard            | Exceedance        |
| 35D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.002              | 0.002   | Standard            | No Exceedance     |
| 35D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/29/23 | 14           | 0          | CI around mean          | 2,560              | 1,200   | Standard            | Exceedance        |
| 70S     | UU  | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.006   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.01               | 0.010   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.0163             | 2.0     | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0005             | 0.004   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.331              | 2       | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.002              | 0.005   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CB around linear reg    | 5.54               | 200     | Standard            | No Exceedance     |

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW 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 |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|---------------------|-------------------|
| 70S     | UU  | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.005              | 0.1     | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.0900  | Background          | No Exceedance     |
| 70S     | UU  | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.139              | 4.0     | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0075             | 0.0075  | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.0116             | 0.04    | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.002   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/21/23 | 9            | 11         | CI around mean          | 0.00499            | 0.1     | Standard            | No Exceedance     |
| 70S     | UU  | E001  | pH (field)                     | SU    | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 6.9/7.0            | 6.3/9.0 | Background/Standard | No Exceedance     |
| 70S     | UU  | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/21/23 | 9            | 0          | CI around geomean       | 0.0683             | 7.00    | Background          | No Exceedance     |
| 70S     | UU  | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.05    | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 587                | 400     | Standard            | Exceedance        |
| 70S     | UU  | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.002              | 0.002   | Standard            | No Exceedance     |
| 70S     | UU  | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 1,210              | 1,200   | Standard            | Exceedance        |
| 70D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 78         | CI around median        | 0.001              | 0.006   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 44         | CI around mean          | 0.000424           | 0.010   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 0.465              | 2.0     | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/20/23 | 9            | 67         | CI around median        | 0.001              | 0.004   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 1.05               | 2       | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last           | 0.002              | 0.005   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 492                | 200     | Standard            | Exceedance        |
| 70D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00202           | 0.1     | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00324           | 0.0900  | Background          | No Exceedance     |
| 70D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg    | -0.0206            | 4.0     | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00239           | 0.0075  | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 0.0661             | 0.04    | Standard            | Exceedance        |
| 70D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.002   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CB around linear reg    | -0.0508            | 0.1     | Standard            | No Exceedance     |

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW 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 |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------------------|--------------------|---------|---------------------|-------------------|
| 70D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg                | 5.9/7.5            | 6.3/9.0 | Background/Standard | No Exceedance     |
| 70D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean                      | 0.928              | 7.00    | Background          | No Exceedance     |
| 70D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 78         | CI around median                    | 0.001              | 0.05    | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean                      | 48                 | 400     | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last                       | 0.002              | 0.002   | Standard            | No Exceedance     |
| 70D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg                | 469                | 1,200   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 60         | CI around median (Last Sample, n<7) | 0.001              | 0.006   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 40         | CI around mean                      | -0.00633           | 0.010   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.0634             | 2.0     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/20/23 | 5            | 80         | CI around median (Last Sample, n<7) | 0.0005             | 0.004   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.487              | 2       | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.002              | 0.005   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 124                | 200     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000681           | 0.1     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000372           | 0.0900  | Background          | No Exceedance     |
| 71D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.427              | 4.0     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000428           | 0.0075  | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.0156             | 0.04    | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.0002             | 0.002   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around mean                      | 0.00646            | 0.1     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/20/23 | 4            | 0          | CI around mean                      | 6.4/7.9            | 6.3/9.0 | Background/Standard | No Exceedance     |
| 71D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | -0.807             | 7.00    | Background          | No Exceedance     |
| 71D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 80         | CI around median (Last Sample, n<7) | 0.001              | 0.05    | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 34.8               | 400     | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.002              | 0.002   | Standard            | No Exceedance     |
| 71D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 639                | 1,200   | Standard            | No Exceedance     |

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

**Notes:**

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

BCU = Bedrock Confining Unit

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

CB around 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

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
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY



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

**NEW EAST ASH POND**  
VERMILION POWER PLANT  
OAKWOOD, ILLINOIS

**FIGURE 1**



## **ATTACHMENTS**

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



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

845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW EAST ASH POND  
OAKWOOD, IL

| Well ID | Well Type  | Date       | Depth to Groundwater<br>(feet BMP) | Groundwater Elevation<br>(feet NAVD88) |
|---------|------------|------------|------------------------------------|--|
| 10      | Background | 06/20/2023 | 48.57                              | 610.52                                 |
| 16B     | Compliance | 06/19/2023 | Dry                                |  |
| 22      | Background | 06/19/2023 | 54.20                              | 604.41                                 |
| 35S     | Compliance | 06/29/2023 | [Dry]                              |  |
| 35D     | Compliance | 06/19/2023 | 12.80                              | 571.33                                 |
| 70S     | Compliance | 06/19/2023 | 13.83                              | 579.90                                 |
| 70D     | Compliance | 06/19/2023 | 37.37                              | 557.14                                 |
| 71S     | Compliance | 06/19/2023 | Dry                                |  |
| 71D     | Compliance | 06/19/2023 | 37.20                              | 542.68                                 |

**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 16 samples for VER\_845\_912 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)



## Report Contents

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

**Client:** Ramboll

**Work Order:** 23060419

**Client Project:** VER-23Q2

**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          | 18       |
| Dates Report            | 19       |
| Quality Control Results | 29       |
| Receiving Check List    | 82       |
| 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)



## Definitions

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

**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\_912 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

#### Collinsville Air

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

#### Springfield

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

#### Chicago

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

#### Kansas City

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



## Accreditations

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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 |





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-007  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-010  
Collection Date: 06/20/2023 11:46

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 48.57     | ft    | 1  | 06/20/2023 11:46 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 610.52    | ft    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 6.4       | NTU   | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 131       | mV    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 1530      | µS/cm | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 15.0      | °C    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 3.28      | mg/L  | 1  | 06/20/2023 11:46 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 6.69      |       | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 946       | mg/L  | 1  | 06/22/2023 10:29 | R330711 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 61      | 100     |      | 248       | mg/L  | 10 | 06/27/2023 15:22 | R330886 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.14      | mg/L  | 1  | 06/28/2023 11:26 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 1       | 1       |      | 4         | mg/L  | 1  | 06/27/2023 15:17 | 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 17:07 | 207600  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.0734    | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 0.0799    | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 187       | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/22/2023 17:07 | 207600  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:07 | 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 14:14 | 207600  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  |      | 0.0160    | mg/L  | 5  | 06/23/2023 8:53  | 207600  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0145    | mg/L  | 5  | 06/27/2023 12:23 | 207600  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/22/2023 14:14 | 207600  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/22/2023 14:14 | 207600  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 9:32  | 207819  |



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-013  
Matrix: GROUNDWATER

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

Client Sample ID: VER-022

Collection Date: 06/20/2023 12:17

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 54.29     | ft    | 1  | 06/20/2023 12:17 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 604.33    | ft    | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 2.8       | NTU   | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 142       | mV    | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 850       | µS/cm | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 13.4      | °C    | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 0.70      | mg/L  | 1  | 06/20/2023 12:17 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 7.29      |       | 1  | 06/20/2023 12:17 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 462       | mg/L  | 1  | 06/23/2023 11:03 | R330769 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 6       | 10      |      | 30        | mg/L  | 1  | 06/27/2023 16:17 | R330886 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.41      | mg/L  | 1  | 06/28/2023 10:17 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 1       | 1       |      | 8         | mg/L  | 1  | 06/27/2023 16:18 | 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 17:44 | 207600  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.0807    | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 0.364     | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 46.2      | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/22/2023 17:44 | 207600  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:44 | 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 15:48 | 207600  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/23/2023 9:44  | 207600  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0316    | mg/L  | 5  | 06/27/2023 12:46 | 207600  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/22/2023 15:48 | 207600  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/22/2023 15:48 | 207600  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 9:46  | 207819  |



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-014  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-023  
**Collection Date:** 06/29/2023 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>14.06</b>  | ft    | 1  | 06/29/2023 10:52 | R330862 |
| Elevation of groundwater surface    | *             | 0   | 0  |      | <b>587.90</b> | ft    | 1  | 06/29/2023 10:52 | R330862 |



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-015  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-024  
**Collection Date:** 06/29/2023 10:53

| Analyses                            | Certification | MDL | RL | Qual | Result        | Units | DF | Date Analyzed    | Batch   |
|-------------------------------------|---------------|-----|----|------|---------------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b> |               |     |    |      |               |       |    |                  |         |
| Depth to water from measuring point | *             | 0   | 0  |      | <b>21.93</b>  | ft    | 1  | 06/29/2023 10:53 | R330862 |
| Elevation of groundwater surface    | *             | 0   | 0  |      | <b>579.89</b> | ft    | 1  | 06/29/2023 10:53 | R330862 |



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060419-016  
**Matrix:** GROUNDWATER

**Work Order:** 23060419  
**Report Date:** 20-Jul-23  
**Client Sample ID:** VER-025  
**Collection Date:** 06/20/2023 9:31

| 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>16.86</b>  | ft    | 1  | 06/20/2023 9:31 | R330862 |
| Elevation of groundwater surface    | *             | 0   | 0  |      | <b>565.50</b> | ft    | 1  | 06/20/2023 9:31 | R330862 |



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-019  
Matrix: GROUNDWATER

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

Client Sample ID: VER-035&D

Collection Date: 06/29/2023 11:20

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF  | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|-----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |     |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 13.16     | ft    | 1   | 06/29/2023 11:20 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 570.98    | ft    | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |     |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 8.3       | NTU   | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |     |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | -20       | mV    | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |     |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 5200      | µS/cm | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |     |                  |         |
| Temperature   | *             | 0       | 0       |      | 14.2      | °C    | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |     |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 0.98      | mg/L  | 1   | 06/29/2023 11:20 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |     |                  |         |
| pH  | *             | 0       | 1.00    |      | 7.33      |       | 1   | 06/29/2023 11:20 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |     |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 3370      | mg/L  | 1   | 07/03/2023 9:47  | R331164 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |     |                  |         |
| Sulfate   | NELAP         | 614     | 1000    |      | 1340      | mg/L  | 100 | 07/06/2023 12:27 | R331244 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |     |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.74      | mg/L  | 1   | 07/03/2023 11:00 | R331110 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |     |                  |         |
| Chloride  | NELAP         | 5       | 40      |      | 493       | mg/L  | 10  | 07/03/2023 14:04 | R331159 |
| <b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>   |               |         |         |      |           |       |     |                  |         |
| Arsenic   | NELAP         | 0.0087  | 0.0100  |      | < 0.0100  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.0237    | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 1.69      | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Calcium   | NELAP         | 0.0350  | 0.100   | S    | 87.0      | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1   | 07/03/2023 14:41 | 208011  |
| <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  | S    | < 0.0010  | mg/L  | 5   | 07/06/2023 10:10 | 208011  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  | J    | 0.0004    | mg/L  | 5   | 07/05/2023 19:57 | 208011  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.144     | mg/L  | 5   | 07/06/2023 10:10 | 208011  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5   | 07/05/2023 19:57 | 208011  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5   | 07/05/2023 19:57 | 208011  |
| <i>Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.</i> |               |         |         |      |           |       |     |                  |         |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |     |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1   | 07/03/2023 13:18 | 208012  |



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-027  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-070#S  
Collection Date: 06/21/2023 11:19

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 14.20     | ft    | 1  | 06/21/2023 11:19 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 579.54    | ft    | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 12        | NTU   | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 14        | mV    | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 1570      | µS/cm | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 10.6      | °C    | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 0.54      | mg/L  | 1  | 06/21/2023 11:19 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 6.92      |       | 1  | 06/21/2023 11:19 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 1270      | mg/L  | 1  | 06/23/2023 11:59 | R330769 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 123     | 200     |      | 602       | mg/L  | 20 | 06/27/2023 18:11 | R330886 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.15      | mg/L  | 1  | 06/28/2023 10:40 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 1       | 4       |      | 14        | mg/L  | 1  | 06/29/2023 13:43 | 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 10:09 | 207664  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.0183    | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 0.398     | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 224       | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/29/2023 10:09 | 207664  |
| <i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i> |               |         |         |      |           |       |    |                  |         |
| <b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Antimony  | NELAP         | 0.0004  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/23/2023 16:45 | 207664  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  | J    | 0.0003    | mg/L  | 5  | 06/23/2023 16:45 | 207664  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0150    | mg/L  | 5  | 06/27/2023 11:38 | 207664  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/27/2023 11:38 | 207664  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/23/2023 16:45 | 207664  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 10:15 | 207819  |



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-028  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-070&D  
Collection Date: 06/20/2023 10:00

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 36.19     | ft    | 1  | 06/20/2023 10:00 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 558.33    | ft    | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 89        | NTU   | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 142       | mV    | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 3390      | µS/cm | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 12.8      | °C    | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 0.81      | mg/L  | 1  | 06/20/2023 10:00 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 6.76      |       | 1  | 06/20/2023 10:00 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 1590      | mg/L  | 1  | 06/22/2023 10:30 | R330711 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 12      | 20      | S    | 52        | mg/L  | 2  | 06/29/2023 23:11 | 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    |      | 0.43      | mg/L  | 1  | 06/28/2023 10:43 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 10      | 80      | S    | 573       | mg/L  | 20 | 06/29/2023 13:49 | R331001 |
| <i>Matrix spike did not recover within control limits due to matrix interference. Results verify by dilution.</i>     |               |         |         |      |           |       |    |                  |         |
| <b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Arsenic   | NELAP         | 0.0087  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.399     | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 1.57      | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 89.8      | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/22/2023 17:52 | 207600  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:52 | 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 17:03 | 207600  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  | J    | 0.0004    | mg/L  | 5  | 06/23/2023 10:07 | 207600  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0850    | mg/L  | 5  | 06/27/2023 13:53 | 207600  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/22/2023 17:03 | 207600  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/22/2023 17:03 | 207600  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 10:22 | 207820  |





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-030  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-071&D  
Collection Date: 06/20/2023 10:29

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 37.12     | ft    | 1  | 06/20/2023 10:29 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 542.77    | ft    | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 9.6       | NTU   | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 176       | mV    | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 3880      | µS/cm | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 12.8      | °C    | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 0.75      | mg/L  | 1  | 06/20/2023 10:29 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 6.92      |       | 1  | 06/20/2023 10:29 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 1990      | mg/L  | 1  | 06/22/2023 10:30 | R330711 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 12      | 20      |      | 56        | mg/L  | 2  | 06/29/2023 15:17 | R330994 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.52      | mg/L  | 1  | 06/28/2023 10:45 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 10      | 80      |      | 733       | mg/L  | 20 | 06/29/2023 15:22 | 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 17:54 | 207600  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.531     | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 1.60      | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 47.3      | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/22/2023 17:54 | 207600  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:54 | 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 17:10 | 207600  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  | J    | 0.0006    | mg/L  | 5  | 06/23/2023 10:12 | 207600  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0792    | mg/L  | 5  | 06/27/2023 13:59 | 207600  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/22/2023 17:10 | 207600  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/22/2023 17:10 | 207600  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 10:24 | 207820  |



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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  |



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

Client: Ramboll  
Client Project: VER-23Q2  
Lab ID: 23060419-046  
Matrix: GROUNDWATER

Work Order: 23060419  
Report Date: 20-Jul-23  
Client Sample ID: VER-010 Duplicate  
Collection Date: 06/20/2023 11:46

| Analyses  | Certification | MDL     | RL      | Qual | Result    | Units | DF | Date Analyzed    | Batch   |
|---|---------------|---------|---------|------|-----------|-------|----|------------------|---------|
| <b>FIELD ELEVATION MEASUREMENTS</b>   |               |         |         |      |           |       |    |                  |         |
| Depth to water from measuring point   | *             | 0       | 0       |      | 48.57     | ft    | 1  | 06/20/2023 11:46 | R330862 |
| Elevation of groundwater surface  | *             | 0       | 0       |      | 610.52    | ft    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2130 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Turbidity   | *             | 1.0     | 1.0     |      | 6.4       | NTU   | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| Oxidation-Reduction Potential   | *             | -300    | -300    |      | 131       | mV    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2510 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Spec. Conductance, Field  | *             | 0       | 0       |      | 1530      | µS/cm | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2550 B FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Temperature   | *             | 0       | 0       |      | 15.0      | °C    | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 4500-O G FIELD</b>  |               |         |         |      |           |       |    |                  |         |
| Oxygen, Dissolved   | *             | 0       | 0       |      | 3.28      | mg/L  | 1  | 06/20/2023 11:46 | R330862 |
| <b>SW-846 9040B FIELD</b>   |               |         |         |      |           |       |    |                  |         |
| pH  | *             | 0       | 1.00    |      | 6.69      |       | 1  | 06/20/2023 11:46 | R330862 |
| <b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>   |               |         |         |      |           |       |    |                  |         |
| Total Dissolved Solids  | NELAP         | 16      | 20      |      | 954       | mg/L  | 1  | 06/23/2023 11:59 | R330769 |
| <b>SW-846 9036 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Sulfate   | NELAP         | 61      | 100     |      | 264       | mg/L  | 10 | 06/27/2023 19:48 | R330886 |
| <b>SW-846 9214 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Fluoride  | NELAP         | 0.04    | 0.10    |      | 0.13      | mg/L  | 1  | 06/28/2023 11:02 | R330906 |
| <b>SW-846 9251 (TOTAL)</b>  |               |         |         |      |           |       |    |                  |         |
| Chloride  | NELAP         | 1       | 1       |      | 4         | mg/L  | 1  | 06/27/2023 19:43 | 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 17:57 | 207600  |
| Barium  | NELAP         | 0.0007  | 0.0025  |      | 0.0690    | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Beryllium   | NELAP         | 0.0002  | 0.0005  |      | < 0.0005  | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Boron   | NELAP         | 0.0090  | 0.0200  |      | 0.0480    | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Cadmium   | NELAP         | 0.0005  | 0.0020  |      | < 0.0020  | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Calcium   | NELAP         | 0.0350  | 0.100   |      | 190       | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Chromium  | NELAP         | 0.0028  | 0.0050  |      | < 0.0050  | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Lead  | NELAP         | 0.0040  | 0.0075  |      | < 0.0075  | mg/L  | 1  | 06/22/2023 17:57 | 207600  |
| Molybdenum  | NELAP         | 0.0037  | 0.0100  |      | < 0.0100  | mg/L  | 1  | 06/22/2023 17:57 | 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 17:28 | 207600  |
| Cobalt  | NELAP         | 0.0001  | 0.0010  |      | 0.0085    | mg/L  | 5  | 06/23/2023 10:49 | 207600  |
| Lithium   | *             | 0.0015  | 0.0030  |      | 0.0153    | mg/L  | 5  | 06/27/2023 14:05 | 207600  |
| Selenium  | NELAP         | 0.0006  | 0.0010  |      | < 0.0010  | mg/L  | 5  | 06/22/2023 17:28 | 207600  |
| Thallium  | NELAP         | 0.0010  | 0.0020  |      | < 0.0020  | mg/L  | 5  | 06/22/2023 17:28 | 207600  |
| <b>SW-846 7470A (TOTAL)</b>   |               |         |         |      |           |       |    |                  |         |
| Mercury   | NELAP         | 0.00006 | 0.00020 |      | < 0.00020 | mg/L  | 1  | 06/28/2023 10:38 | 207820  |



## Sample Summary

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

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

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

| Lab Sample ID | Client Sample ID  | Matrix      | Fractions | Collection Date  |
|---------------|-------------------|-------------|-----------|------------------|
| 23060419-007  | VER-010           | Groundwater | 6         | 06/20/2023 11:46 |
| 23060419-008  | VER-016!B         | Groundwater | 6         |                  |
| 23060419-009  | VER-016A          | Groundwater | 6         |                  |
| 23060419-013  | VER-022           | Groundwater | 6         | 06/20/2023 12:17 |
| 23060419-014  | VER-023           | Groundwater | 1         | 06/29/2023 10:52 |
| 23060419-015  | VER-024           | Groundwater | 1         | 06/29/2023 10:53 |
| 23060419-016  | VER-025           | Groundwater | 1         | 06/20/2023 9:31  |
| 23060419-018  | VER-035#S         | Groundwater | 6         |                  |
| 23060419-019  | VER-035&D         | Groundwater | 6         | 06/29/2023 11:20 |
| 23060419-027  | VER-070#S         | Groundwater | 6         | 06/21/2023 11:19 |
| 23060419-028  | VER-070&D         | Groundwater | 6         | 06/20/2023 10:00 |
| 23060419-029  | VER-071#S         | Groundwater | 6         |                  |
| 23060419-030  | VER-071&D         | Groundwater | 6         | 06/20/2023 10:29 |
| 23060419-042  | VER-NED1          | Groundwater | 6         |                  |
| 23060419-045  | Field Blank       | Aqueous     | 6         | 06/20/2023 16:30 |
| 23060419-046  | VER-010 Duplicate | Groundwater | 6         | 06/20/2023 11:46 |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
| Test Name     |  |                  |                  |                  |                    |
| 23060419-007A | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                  | 06/20/2023 11:46   |
|               | Field Elevation Measurements                       |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2130 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2510 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                  | 06/22/2023 10:29   |
|               | Standard Methods 2550 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 0:03    |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 19:30   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 19:30   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                  | 06/22/2023 8:51    |
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                  | 06/22/2023 8:51    |
|               | SW-846 9036 (Total)                                |                  |                  |                  | 06/27/2023 15:22   |
|               | SW-846 9040B Field                                 |                  |                  |                  | 06/20/2023 11:46   |
|               | SW-846 9214 (Total)                                |                  |                  |                  | 06/28/2023 11:26   |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/27/2023 15:17   |
| 23060419-007B | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 9:53    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 9:53    |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 23:39   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 18:24   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 18:24   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 8:52    |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 8:52    |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/22/2023 21:43   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/22/2023 21:39   |
| 23060419-007C | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:07   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/22/2023 14:14   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/23/2023 8:53    |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/26/2023 17:50   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/27/2023 12:23   |
|               | SW-846 7470A (Total)                               |                  |                  | 06/27/2023 13:37 | 06/28/2023 9:32    |
| 23060419-007D | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/23/2023 14:49 | 06/26/2023 9:21    |



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/23/2023 14:49 | 06/27/2023 17:05   |
| 23060419-007E | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/27/2023 2:28    |
| 23060419-007F | VER-010  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/26/2023 20:46   |
| 23060419-013A | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                  | 06/20/2023 12:17   |
|               | Field Elevation Measurements                       |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 2130 B Field                      |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 2510 B Field                      |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                  | 06/23/2023 11:03   |
|               | Standard Methods 2550 B Field                      |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 0:04    |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:14   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:14   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                  | 06/20/2023 12:17   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                  | 06/22/2023 11:14   |
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                  | 06/22/2023 11:14   |
|               | SW-846 9036 (Total)                                |                  |                  |                  | 06/27/2023 16:17   |
|               | SW-846 9040B Field                                 |                  |                  |                  | 06/20/2023 12:17   |
|               | SW-846 9214 (Total)                                |                  |                  |                  | 06/28/2023 10:17   |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/27/2023 16:18   |
| 23060419-013B | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/26/2023 17:44   |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/26/2023 17:44   |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 23:42   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 18:46   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 18:46   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 11:15   |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 11:15   |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/23/2023 16:14   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/23/2023 16:14   |
| 23060419-013C | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:44   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/22/2023 15:48   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/23/2023 9:44    |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
|               | Test Name                                      |                  |                  |                  |                    |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)   |                  |                  | 06/21/2023 17:13 | 06/26/2023 18:52   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)   |                  |                  | 06/21/2023 17:13 | 06/27/2023 12:46   |
|               | SW-846 7470A (Total)                           |                  |                  | 06/27/2023 13:37 | 06/28/2023 9:46    |
| 23060419-013D | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved) |                  |                  | 06/23/2023 14:49 | 06/26/2023 9:56    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved) |                  |                  | 06/23/2023 14:49 | 06/27/2023 17:11   |
| 23060419-013E | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060                                    |                  |                  |                  | 06/27/2023 3:06    |
| 23060419-013F | VER-022  | 06/20/2023 12:17 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060                                    |                  |                  |                  | 06/26/2023 21:43   |
| 23060419-014A | VER-023  | 06/29/2023 10:52 | 06/29/2023 17:46 |                  |                    |
|               | Field Elevation Measurements                   |                  |                  |                  | 06/29/2023 10:52   |
| 23060419-015A | VER-024  | 06/29/2023 10:53 | 06/29/2023 17:46 |                  |                    |
|               | Field Elevation Measurements                   |                  |                  |                  | 06/29/2023 10:53   |
| 23060419-016A | VER-025  | 06/20/2023 9:31  | 06/21/2023 11:15 |                  |                    |
|               | Field Elevation Measurements                   |                  |                  |                  | 06/20/2023 9:31    |
| 23060419-019A | VER-035&D                                      | 06/29/2023 11:20 | 06/29/2023 17:46 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                    |                  |                  |                  | 06/29/2023 11:20   |
|               | Field Elevation Measurements                   |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 2130 B Field                  |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 18th Ed. 2580 B Field         |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 2510 B Field                  |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 2540 C (Total) 1997, 2011     |                  |                  |                  | 07/03/2023 9:47    |
|               | Standard Methods 2550 B Field                  |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011 |                  |                  |                  | 06/30/2023 22:18   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011 |                  |                  |                  | 07/05/2023 15:13   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011 |                  |                  |                  | 07/05/2023 15:13   |
|               | Standard Methods 4500-O G Field                |                  |                  |                  | 06/29/2023 11:20   |
|               | Standard Methods 4500-P E 1999                 |                  |                  |                  | 07/05/2023 9:46    |
|               | Standard Methods 4500-P E 1999, 2011           |                  |                  |                  | 07/05/2023 9:52    |
|               | SW-846 9036 (Total)                            |                  |                  |                  | 07/06/2023 12:27   |
|               | SW-846 9040B Field                             |                  |                  |                  | 06/29/2023 11:20   |
|               | SW-846 9214 (Total)                            |                  |                  |                  | 07/03/2023 11:00   |
|               | SW-846 9251 (Total)                            |                  |                  |                  | 07/03/2023 14:04   |
| 23060419-019B | VER-035&D                                      | 06/29/2023 11:20 | 06/29/2023 17:46 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011 |                  |                  |                  | 07/03/2023 10:45   |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011 |                  |                  |                  | 07/03/2023 10:45   |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

<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 |
|---------------|--|------------------|------------------|-----------------|--------------------|
|               | Test Name  |                  |                  |                 |                    |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                 | 06/30/2023 22:18   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                 | 07/05/2023 15:22   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                 | 07/05/2023 15:22   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                 | 07/05/2023 9:55    |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                 | 07/05/2023 9:46    |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                 | 07/06/2023 11:52   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                 | 07/03/2023 13:48   |
| 23060419-019C | VER-035&D  | 06/29/2023 11:20 | 06/29/2023 17:46 |                 |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 07/03/2023 7:24 | 07/03/2023 14:41   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 07/03/2023 7:24 | 07/05/2023 19:57   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 07/03/2023 7:24 | 07/06/2023 10:10   |
|               | SW-846 7470A (Total)                               |                  |                  | 07/03/2023 7:31 | 07/03/2023 13:18   |
| 23060419-019D | VER-035&D  | 06/29/2023 11:20 | 06/29/2023 17:46 |                 |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 07/03/2023 8:22 | 07/03/2023 14:46   |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 07/03/2023 8:22 | 07/03/2023 17:15   |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 07/03/2023 8:22 | 07/05/2023 9:18    |
| 23060419-019E | VER-035&D  | 06/29/2023 11:20 | 06/29/2023 17:46 |                 |                    |
|               | SW-846 9060  |                  |                  |                 | 07/05/2023 15:58   |
| 23060419-019F | VER-035&D  | 06/29/2023 11:20 | 06/29/2023 17:46 |                 |                    |
|               | SW-846 9060  |                  |                  |                 | 07/05/2023 15:06   |
| 23060419-027A | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                 |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                 | 06/21/2023 11:19   |
|               | Field Elevation Measurements                       |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 2130 B Field                      |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 2510 B Field                      |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                 | 06/23/2023 11:59   |
|               | Standard Methods 2550 B Field                      |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                 | 06/22/2023 10:26   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                 | 06/22/2023 11:17   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                 | 06/22/2023 11:17   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                 | 06/21/2023 11:19   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                 | 06/22/2023 14:09   |
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                 | 06/22/2023 14:09   |
|               | SW-846 9036 (Total)                                |                  |                  |                 | 06/27/2023 18:11   |
|               | SW-846 9040B Field                                 |                  |                  |                 | 06/21/2023 11:19   |
|               | SW-846 9214 (Total)                                |                  |                  |                 | 06/28/2023 10:40   |





## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
|               | Test Name  |                  |                  |                  |                    |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/29/2023 13:43   |
| 23060419-027B | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 9:01    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 9:01    |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/22/2023 10:29   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/22/2023 11:50   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/22/2023 11:50   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 14:09   |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 14:09   |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/27/2023 13:37   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/23/2023 18:09   |
| 23060419-027C | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/22/2023 19:07 | 06/29/2023 10:09   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/22/2023 19:07 | 06/23/2023 16:45   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/22/2023 19:07 | 06/26/2023 17:33   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/22/2023 19:07 | 06/27/2023 11:38   |
|               | SW-846 7470A (Total)                               |                  |                  | 06/27/2023 13:37 | 06/28/2023 10:15   |
| 23060419-027D | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/28/2023 9:12    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/29/2023 10:02   |
| 23060419-027E | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/28/2023 13:19   |
| 23060419-027F | VER-070#S  | 06/21/2023 11:19 | 06/21/2023 16:56 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/26/2023 23:37   |
| 23060419-028A | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                  | 06/20/2023 10:00   |
|               | Field Elevation Measurements                       |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 2130 B Field                      |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 2510 B Field                      |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                  | 06/22/2023 10:30   |
|               | Standard Methods 2550 B Field                      |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 0:07    |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:45   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:45   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                  | 06/20/2023 10:00   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                  | 06/22/2023 8:59    |



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                  | 06/22/2023 8:59    |
|               | SW-846 9036 (Total)                                |                  |                  |                  | 06/29/2023 23:11   |
|               | SW-846 9040B Field                                 |                  |                  |                  | 06/20/2023 10:00   |
|               | SW-846 9214 (Total)                                |                  |                  |                  | 06/28/2023 10:43   |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/29/2023 13:49   |
| 23060419-028B | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 11:22   |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 11:22   |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 23:55   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:04   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:04   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 9:06    |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 9:06    |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/22/2023 22:10   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/24/2023 1:10    |
| 23060419-028C | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:52   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:03   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/23/2023 10:07   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/26/2023 19:20   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/27/2023 13:53   |
|               | SW-846 7470A (Total)                               |                  |                  | 06/27/2023 13:40 | 06/28/2023 10:22   |
| 23060419-028D | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/28/2023 9:13    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/29/2023 10:02   |
| 23060419-028E | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/28/2023 14:03   |
| 23060419-028F | VER-070&D  | 06/20/2023 10:00 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/26/2023 23:43   |
| 23060419-030A | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                  | 06/20/2023 10:29   |
|               | Field Elevation Measurements                       |                  |                  |                  | 06/20/2023 10:29   |
|               | Standard Methods 2130 B Field                      |                  |                  |                  | 06/20/2023 10:29   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                  | 06/20/2023 10:29   |
|               | Standard Methods 2510 B Field                      |                  |                  |                  | 06/20/2023 10:29   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                  | 06/22/2023 10:30   |
|               | Standard Methods 2550 B Field                      |                  |                  |                  | 06/20/2023 10:29   |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
| Test Name     |  |                  |                  |                  |                    |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 0:08    |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:47   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/21/2023 17:47   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                  | 06/20/2023 10:29   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                  | 06/22/2023 9:16    |
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                  | 06/22/2023 9:16    |
|               | SW-846 9036 (Total)                                |                  |                  |                  | 06/29/2023 15:17   |
|               | SW-846 9040B Field                                 |                  |                  |                  | 06/20/2023 10:29   |
|               | SW-846 9214 (Total)                                |                  |                  |                  | 06/28/2023 10:45   |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/29/2023 15:22   |
| 23060419-030B | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 11:30   |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 11:30   |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 23:56   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:06   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:06   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 9:18    |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 9:18    |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/23/2023 13:45   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/24/2023 1:23    |
| 23060419-030C | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:54   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:10   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/23/2023 10:12   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/26/2023 19:26   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/27/2023 13:59   |
|               | SW-846 7470A (Total)                               |                  |                  | 06/27/2023 13:40 | 06/28/2023 10:24   |
| 23060419-030D | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/28/2023 9:13    |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/28/2023 17:18   |
|               | SW-846 3005A, 6010B, Metals by ICP (Dissolved)     |                  |                  | 06/27/2023 13:31 | 06/29/2023 10:15   |
| 23060419-030E | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/28/2023 14:09   |
| 23060419-030F | VER-071&D  | 06/20/2023 10:29 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 9060  |                  |                  |                  | 06/26/2023 23:49   |
| 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   |



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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 |
|---------------|--|------------------|------------------|------------------|--------------------|
| Test Name     |  |                  |                  | Prep Date/Time   | Analysis Date/Time |
|               | 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   |
|               | 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    |
| 23060419-046A | VER-010 Duplicate                                  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | Ferrous Iron by CHEMets Kit                        |                  |                  |                  | 06/20/2023 11:46   |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

<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>                                   |                  |                  |                  |                    |
|               | Field Elevation Measurements                       |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2130 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 18th Ed. 2580 B Field             |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2510 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 2540 C (Total) 1997, 2011         |                  |                  |                  | 06/23/2023 11:59   |
|               | Standard Methods 2550 B Field                      |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 4500-NO2 B (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 0:09    |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 10:42   |
|               | Standard Methods 4500-NO3 F (Total) 2000, 2011     |                  |                  |                  | 06/22/2023 10:42   |
|               | Standard Methods 4500-O G Field                    |                  |                  |                  | 06/20/2023 11:46   |
|               | Standard Methods 4500-P E 1999                     |                  |                  |                  | 06/22/2023 11:38   |
|               | Standard Methods 4500-P E 1999, 2011               |                  |                  |                  | 06/22/2023 11:38   |
|               | SW-846 9036 (Total)                                |                  |                  |                  | 06/27/2023 19:48   |
|               | SW-846 9040B Field                                 |                  |                  |                  | 06/20/2023 11:46   |
|               | SW-846 9214 (Total)                                |                  |                  |                  | 06/28/2023 11:02   |
|               | SW-846 9251 (Total)                                |                  |                  |                  | 06/27/2023 19:43   |
| 23060419-046B | VER-010 Duplicate                                  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 10:31   |
|               | Standard Methods 2320 B (Dissolved) 1997, 2011     |                  |                  |                  | 06/27/2023 10:31   |
|               | Standard Methods 4500-NO2 B (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 23:57   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:28   |
|               | Standard Methods 4500-NO3 F (Dissolved) 2000, 2011 |                  |                  |                  | 06/21/2023 19:28   |
|               | Standard Methods 4500-P E (Dissolved) 1999, 2011   |                  |                  |                  | 06/22/2023 11:38   |
|               | Standard Methods 4500-P E (Dissolved) 1999         |                  |                  |                  | 06/22/2023 11:38   |
|               | SW-846 9036 (Dissolved)                            |                  |                  |                  | 06/23/2023 18:30   |
|               | SW-846 9251 (Dissolved)                            |                  |                  |                  | 06/23/2023 18:25   |
| 23060419-046C | VER-010 Duplicate                                  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |
|               | SW-846 3005A, 6010B, Metals by ICP (Total)         |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:57   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/22/2023 17:28   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/23/2023 10:49   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/26/2023 20:34   |
|               | SW-846 3005A, 6020A, Metals by ICPMS (Total)       |                  |                  | 06/21/2023 17:13 | 06/27/2023 14:05   |
|               | SW-846 7470A (Total)                               |                  |                  | 06/27/2023 13:40 | 06/28/2023 10:38   |
| 23060419-046D | VER-010 Duplicate                                  | 06/20/2023 11:46 | 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 10:37   |
| 23060419-046E | VER-010 Duplicate                                  | 06/20/2023 11:46 | 06/21/2023 11:15 |                  |                    |



# Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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 |
|---------------|-------------------|------------------|------------------|----------------|--------------------|
| Test Name     |                   |                  |                  |                |                    |
|               | SW-846 9060       |                  |                  |                | 06/28/2023 15:44   |
| 23060419-046F | VER-010 Duplicate | 06/20/2023 11:46 | 06/21/2023 11:15 |                |                    |
|               | SW-846 9060       |                  |                  |                | 06/27/2023 0:59    |



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### STANDARD METHODS 2510 B FIELD

| Batch R330862            |      | SampType: LCS |      | Units µS/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 |      |               |      |            |       |             |      |             |      |               |  |
| 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

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### 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

<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 R330592            |      | SampType: MS |      | Units mg/L |        |             |      |           |            |  | Date       |
|--------------------------|------|--------------|------|------------|--------|-------------|------|-----------|------------|--|------------|
| SampID: 23060419-003BMS  |      |              |      |            |        |             |      |           |            |  |            |
| Analyses                 | Cert | RL           | Qual | Result     | Spike  | SPK Ref Val | %REC | Low Limit | High Limit |  | 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       |
|--------------------------|------|---------------|------|------------|--------|---------------|------|-------------|------|--|------------|
| SampID: 23060419-003BMSD |      |               |      |            |        |               |      |             |      |  |            |
| Analyses                 | Cert | RL            | Qual | Result     | Spike  | SPK Ref Val   | %REC | RPD Ref Val | %RPD |  | 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       |
|--------------------------|------|--------------|------|------------|--------|-------------|-------|-----------|------------|--|------------|
| SampID: 23060419-004BMS  |      |              |      |            |        |             |       |           |            |  |            |
| Analyses                 | Cert | RL           | Qual | Result     | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit |  | 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       |
|--------------------------|------|---------------|------|------------|--------|---------------|-------|-------------|------|--|------------|
| SampID: 23060419-004BMSD |      |               |      |            |        |               |       |             |      |  |            |
| Analyses                 | Cert | RL            | Qual | Result     | Spike  | SPK Ref Val   | %REC  | RPD Ref Val | %RPD |  | 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       |
|--------------------------|------|--------------|------|------------|--------|-------------|-------|-----------|------------|--|------------|
| SampID: 23060419-005BMS  |      |              |      |            |        |             |       |           |            |  |            |
| Analyses                 | Cert | RL           | Qual | Result     | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit |  | 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       |
|--------------------------|------|---------------|------|------------|--------|---------------|-------|-------------|------|--|------------|
| SampID: 23060419-005BMSD |      |               |      |            |        |               |       |             |      |  |            |
| Analyses                 | Cert | RL            | Qual | Result     | Spike  | SPK Ref Val   | %REC  | RPD Ref Val | %RPD |  | 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       |
|--------------------------|------|--------------|------|------------|--------|-------------|-------|-----------|------------|--|------------|
| SampID: 23060419-011BMS  |      |              |      |            |        |             |       |           |            |  |            |
| Analyses                 | Cert | RL           | Qual | Result     | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit |  | 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       |
|--------------------------|------|---------------|------|------------|--------|---------------|-------|-------------|------|--|------------|
| SampID: 23060419-011BMSD |      |               |      |            |        |               |       |             |      |  |            |
| Analyses                 | Cert | RL            | Qual | Result     | Spike  | SPK Ref Val   | %REC  | RPD Ref Val | %RPD |  | 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 |        |             |      |           |            |               |
|--------------------------|------|---------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |      |           |            |               |
|----------------------------------|------|--------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |      |             |      |               |
|----------------------------------|------|---------------|------|------------|--------|-------------|------|-------------|------|---------------|
| 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 |        |             |      |           |            |               |
|----------------------------------|------|--------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |      |             |      |               |
|----------------------------------|------|---------------|------|------------|--------|-------------|------|-------------|------|---------------|
| 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 |        |             |      |           |            |               |
|----------------------------------|------|--------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |       |             |       |               |
|----------------------------------|------|---------------|------|------------|--------|-------------|-------|-------------|-------|---------------|
| 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

<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 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

<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 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   |        |             |      |             |      |               | RPD Limit: 10 | Date Analyzed |
|----------------------------------|------|---------------|------|--------------|--------|-------------|------|-------------|------|---------------|---------------|---------------|
| 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   |        |             |      |             |      |               | RPD Limit: 10 | Date Analyzed |
|----------------------------------|------|---------------|------|--------------|--------|-------------|------|-------------|------|---------------|---------------|---------------|
| 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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

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

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

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

| Batch R330681                     |      | SampType: MSD |      | Units mg/L   |        |             |       | RPD Limit: 10 |      |               |  |
|-----------------------------------|------|---------------|------|--------------|--------|-------------|-------|---------------|------|---------------|--|
| SampID: 23060419-012BMSD          |      |               |      |              |        |             |       |               |      |               |  |
| Analyses                          | Cert | RL            | Qual | Result       | Spike  | SPK Ref Val | %REC  | RPD Ref Val   | %RPD | Date Analyzed |  |
| 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   |        |             |      |           |            |               |  |
|-----------------------------------|------|--------------|------|--------------|--------|-------------|------|-----------|------------|---------------|--|
| SampID: 23060419-028BMS           |      |              |      |              |        |             |      |           |            |               |  |
| Analyses                          | Cert | RL           | Qual | Result       | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |  |
| 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 |      |               |  |
|-----------------------------------|------|---------------|------|--------------|--------|-------------|------|---------------|------|---------------|--|
| SampID: 23060419-028BMSD          |      |               |      |              |        |             |      |               |      |               |  |
| Analyses                          | Cert | RL            | Qual | Result       | Spike  | SPK Ref Val | %REC | RPD Ref Val   | %RPD | Date Analyzed |  |
| 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   |        |             |       |           |            |               |  |
|-----------------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|--|
| SampID: 23060419-006BMS           |      |              |      |              |        |             |       |           |            |               |  |
| Analyses                          | Cert | RL           | Qual | Result       | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit | Date Analyzed |  |
| 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 |      |               |  |
|-----------------------------------|------|---------------|------|--------------|--------|-------------|-------|---------------|------|---------------|--|
| SampID: 23060419-006BMSD          |      |               |      |              |        |             |       |               |      |               |  |
| Analyses                          | Cert | RL            | Qual | Result       | Spike  | SPK Ref Val | %REC  | RPD Ref Val   | %RPD | Date Analyzed |  |
| 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   |        |             |      |           |            |               |  |
|-----------------------------------|------|--------------|------|--------------|--------|-------------|------|-----------|------------|---------------|--|
| SampID: 23060419-027BMS           |      |              |      |              |        |             |      |           |            |               |  |
| Analyses                          | Cert | RL           | Qual | Result       | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |  |
| Phosphorus, Orthophosphate (as P) | *    | 0.010        |      | <b>0.044</b> | 0.0500 | 0           | 88.0 | 85        | 115        | 06/22/2023    |  |

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

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



## Quality Control Results

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

Client: Ramboll

Work Order: 23060419

Client Project: VER-23Q2

Report Date: 20-Jul-23

### STANDARD METHODS 4500-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    |  |





## Quality Control Results

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

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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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            |      | <b>18</b>  | 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           |      | <b>94</b>  | 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            |      | <b>95</b>  | 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         |      | <b>3130</b> | 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          |      | <b>3160</b> | 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             |      | <b>&lt; 10</b> | 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            |      | <b>20</b>  | 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: ICB/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: ICB/LCS |      |               |      |            |       |             |      |           |            |               |  |
| Analyses        | Cert | RL            | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |  |
| Sulfate         |      | 10            |      | 19         | 20.00 | 0           | 96.1 | 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

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

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    |               |



## 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 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 |            |               |
| Sulfate                  |      | 200           |      | 990        | 400.0 | 552.5       | 109.5         | 995.8       | 0.53 | 06/30/2023 |               |

| Batch R331147    |      | SampType: MBLK |      | Units mg/L |       |             |      |           |            |            | Date Analyzed |
|------------------|------|----------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: ICB/MBLK |      |                |      |            |       |             |      |           |            |            |               |
| Analyses         | Cert | RL             | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| Sulfate          |      | 10             |      | < 10       | 6.140 | 0           | 0    | -100      | 100        | 07/03/2023 |               |

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

| Batch R331244    |      | SampType: MBLK |      | Units mg/L |       |             |      |           |            |            | Date Analyzed |
|------------------|------|----------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: ICB/MBLK |      |                |      |            |       |             |      |           |            |            |               |
| Analyses         | Cert | RL             | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| Sulfate          |      | 10             |      | < 10       | 6.140 | 0           | 0    | -100      | 100        | 07/06/2023 |               |

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

### SW-846 9060

| Batch R330847              |      | SampType: MBLK |      | Units mg/L |        |             |      |           |            |            | Date Analyzed |
|----------------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|------------|---------------|
| SampID: Filter Blank       |      |                |      |            |        |             |      |           |            |            |               |
| Analyses                   | Cert | RL             | Qual | Result     | Spike  | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| Total Organic Carbon (TOC) |      | 1.0            |      | < 1.0      | 0.4500 | 0           | 0    | -100      | 100        | 06/26/2023 |               |

| Batch R330847              |      | SampType: MBLK |      | Units mg/L |        |             |      |           |            |            | Date Analyzed |
|----------------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|------------|---------------|
| SampID: ICB/MBLK           |      |                |      |            |        |             |      |           |            |            |               |
| Analyses                   | Cert | RL             | Qual | Result     | Spike  | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| 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

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

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 |             |      |               |
|--------------------------|------|---------------|------|------------|-------|-------------|---------------|-------------|------|---------------|
| 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 |       |             |      |           |            |               |
|--------------------------|------|--------------|------|------------|-------|-------------|------|-----------|------------|---------------|
| 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 |             |      |               |
|--------------------------|------|---------------|------|------------|-------|-------------|---------------|-------------|------|---------------|
| 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 |        |             |      |           |            |               |
|--------------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |      |           |            |               |
|----------------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |        |             |      |           |            |               |
|--------------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|---------------|
| 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 |       |             |      |           |            |               |
|----------------------------|------|---------------|------|------------|-------|-------------|------|-----------|------------|---------------|
| 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 |       |             |      |           |            |               |
|--------------------------|------|---------------|------|------------|-------|-------------|------|-----------|------------|---------------|
| 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    |



## 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 R330941            |      | SampType: MS |      | Units mg/L |       |             |      |           |            |            | Date Analyzed |
|--------------------------|------|--------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: 23060419-001FMS  |      |              |      |            |       |             |      |           |            |            |               |
| Analyses                 | Cert | RL           | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| 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 |       |             |      |             |      |               | Date Analyzed |
|--------------------------|------|---------------|------|------------|-------|-------------|------|-------------|------|---------------|---------------|
| SampID: 23060419-001FMSD |      |               |      |            |       |             |      |             |      |               |               |
| Analyses                 | Cert | RL            | Qual | Result     | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | RPD Limit: 10 |               |
| 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 Analyzed |
|----------------------------|------|--------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: 23060419-005EMS    |      |              |      |            |       |             |      |           |            |            |               |
| Analyses                   | Cert | RL           | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| 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 |       |             |      |             |      |               | Date Analyzed |
|----------------------------|------|---------------|------|------------|-------|-------------|------|-------------|------|---------------|---------------|
| SampID: 23060419-005EMSD   |      |               |      |            |       |             |      |             |      |               |               |
| Analyses                   | Cert | RL            | Qual | Result     | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | RPD Limit: 10 |               |
| 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 Analyzed |
|----------------------------|------|--------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: 23060419-027EMS    |      |              |      |            |       |             |      |           |            |            |               |
| Analyses                   | Cert | RL           | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| 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 |       |             |      |             |      |               | Date Analyzed |
|----------------------------|------|---------------|------|------------|-------|-------------|------|-------------|------|---------------|---------------|
| SampID: 23060419-027EMSD   |      |               |      |            |       |             |      |             |      |               |               |
| Analyses                   | Cert | RL            | Qual | Result     | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | RPD Limit: 10 |               |
| 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 Analyzed |
|----------------------------|------|--------------|------|------------|-------|-------------|------|-----------|------------|------------|---------------|
| SampID: 23060419-030EMS    |      |              |      |            |       |             |      |           |            |            |               |
| Analyses                   | Cert | RL           | Qual | Result     | Spike | SPK Ref Val | %REC | Low Limit | High Limit |            |               |
| 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 |       |             |      |             |      |               | Date Analyzed |
|----------------------------|------|---------------|------|------------|-------|-------------|------|-------------|------|---------------|---------------|
| SampID: 23060419-030EMSD   |      |               |      |            |       |             |      |             |      |               |               |
| Analyses                   | Cert | RL            | Qual | Result     | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | RPD Limit: 10 |               |
| Total Organic Carbon (TOC) |      | 1.0           |      | 4.8        | 5.000 | 0.5400      | 85.8 | 4.510       | 6.85 | 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 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         |      | 2.24       | 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          |      | 2.31       | 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           |      | < 0.10     | 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          |      | 0.92       | 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         |      | 2.82       | 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          |      | 2.78       | 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            |      | 27         | 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

SampleID: 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

SampID: 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 |        |             |       |           |            |            | Date |
|--------------------|------|---------------|------|------------|--------|-------------|-------|-----------|------------|------------|------|
| SampID: LCS-208011 |      |               |      |            |        |             |       |           |            |            |      |
| Analyses           | Cert | RL            | Qual | Result     | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit | 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 |        |             |       |           |            |            | Date |
|-------------------------|------|--------------|------|------------|--------|-------------|-------|-----------|------------|------------|------|
| SampID: 23060419-019CMS |      |              |      |            |        |             |       |           |            |            |      |
| Analyses                | Cert | RL           | Qual | Result     | Spike  | SPK Ref Val | %REC  | Low Limit | High Limit | 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         |        |             |      |           |            |               | 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>&lt; 0.0010</b> | 0.0004 | 0           | 0    | -100      | 100        | 06/22/2023    |               |
| Cobalt              |      | 0.0010         |      | <b>&lt; 0.0010</b> | 0.0001 | 0           | 0    | -100      | 100        | 06/23/2023    |               |
| Lithium             | *    | 0.0030         |      | <b>&lt; 0.0030</b> | 0.0015 | 0           | 0    | -100      | 100        | 06/26/2023    |               |
| Selenium            |      | 0.0010         |      | <b>&lt; 0.0010</b> | 0.0006 | 0           | 0    | -100      | 100        | 06/22/2023    |               |
| Thallium            |      | 0.0020         |      | <b>&lt; 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       |      | 0.478      | 0.5000 | 0           | 95.6  | 75        | 125        | 06/22/2023    |               |
| Cobalt                  |      | 0.0010       |      | 0.543      | 0.5000 | 0.0006155   | 108.5 | 75        | 125        | 06/23/2023    |               |
| Selenium                |      | 0.0010       |      | 0.445      | 0.5000 | 0           | 89.0  | 75        | 125        | 06/22/2023    |               |
| Thallium                |      | 0.0020       |      | 0.229      | 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        |      | 0.485      | 0.5000 | 0           | 97.0  | 0.4781      | 1.46 | 06/22/2023    |               |               |
| Cobalt                   |      | 0.0010        |      | 0.524      | 0.5000 | 0.0006155   | 104.7 | 0.5433      | 3.61 | 06/23/2023    |               |               |
| Selenium                 |      | 0.0010        |      | 0.444      | 0.5000 | 0           | 88.8  | 0.4452      | 0.29 | 06/22/2023    |               |               |
| Thallium                 |      | 0.0020        |      | 0.226      | 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       |      | 0.467      | 0.5000 | 0.01173     | 91.0  | 75        | 125        | 06/22/2023    |               |
| Cobalt                  |      | 0.0010       |      | 0.487      | 0.5000 | 0           | 97.3  | 75        | 125        | 06/23/2023    |               |
| Lithium                 | *    | 0.0030       |      | 1.06       | 0.5000 | 0.4862      | 115.4 | 75        | 125        | 06/27/2023    |               |
| Selenium                |      | 0.0010       |      | 0.404      | 0.5000 | 0.006690    | 79.5  | 75        | 125        | 06/22/2023    |               |
| Thallium                |      | 0.0020       |      | 0.229      | 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        |      | 0.487      | 0.5000 | 0.01173     | 95.0  | 0.4666      | 4.22 | 06/22/2023    |               |               |
| Cobalt                   |      | 0.0010        |      | 0.504      | 0.5000 | 0           | 100.8 | 0.4866      | 3.49 | 06/23/2023    |               |               |
| Lithium                  | *    | 0.0030        |      | 1.05       | 0.5000 | 0.4862      | 111.8 | 1.063       | 1.69 | 06/27/2023    |               |               |
| Selenium                 |      | 0.0010        |      | 0.422      | 0.5000 | 0.006690    | 83.2  | 0.4040      | 4.47 | 06/22/2023    |               |               |
| Thallium                 |      | 0.0020        |      | 0.227      | 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  
**Client Project:** VER-23Q2

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

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

| Batch 207871            |      | SampType: MS |      | Units mg/L |       |             |       |           |            |               |  |
|-------------------------|------|--------------|------|------------|-------|-------------|-------|-----------|------------|---------------|--|
| 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 |       |             |       |             |      |               |  |
|--------------------------|------|---------------|------|------------|-------|-------------|-------|-------------|------|---------------|--|
| 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 |        |             |       |           |            |               |  |
|-------------------------|------|--------------|------|------------|--------|-------------|-------|-----------|------------|---------------|--|
| 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 |        |             |       |             |      |               |  |
|--------------------------|------|---------------|------|------------|--------|-------------|-------|-------------|------|---------------|--|
| 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 |        |             |      |           |            |               |  |
|---------------------|------|----------------|------|------------|--------|-------------|------|-----------|------------|---------------|--|
| 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 Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|------|-----------|------------|---------------|---------------|
| SampID: 23060419-005CMS |      |              |      |                |        |             |      |           |            |               |               |
| Analyses                | Cert | RL           | Qual | Result         | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date 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 Analyzed |
|--------------------------|------|---------------|------|----------------|--------|-------------|------|-------------|------|---------------|---------------|---------------|
| SampID: 23060419-005CMSD |      |               |      |                |        |             |      |             |      |               |               |               |
| Analyses                 | Cert | RL            | Qual | Result         | Spike  | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date 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 Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|------|-----------|------------|---------------|---------------|
| SampID: 23060419-025CMS |      |              |      |                |        |             |      |           |            |               |               |
| Analyses                | Cert | RL           | Qual | Result         | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date 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 Analyzed |
|--------------------------|------|---------------|------|----------------|--------|-------------|------|-------------|------|---------------|---------------|---------------|
| SampID: 23060419-025CMSD |      |               |      |                |        |             |      |             |      |               |               |               |
| Analyses                 | Cert | RL            | Qual | Result         | Spike  | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date 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 Analyzed |
|---------------------|------|----------------|------|---------------------|--------|-------------|------|-----------|------------|---------------|---------------|
| SampID: MBLK-207820 |      |                |      |                     |        |             |      |           |            |               |               |
| 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 207820       |      | SampType: LCS |      | Units mg/L     |        |             |      |           |            |               | Date Analyzed |
|--------------------|------|---------------|------|----------------|--------|-------------|------|-----------|------------|---------------|---------------|
| SampID: LCS-207820 |      |               |      |                |        |             |      |           |            |               |               |
| Analyses           | Cert | RL            | Qual | Result         | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date 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 Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|------|-----------|------------|---------------|---------------|
| SampID: 23060419-046CMS |      |              |      |                |        |             |      |           |            |               |               |
| Analyses                | Cert | RL           | Qual | Result         | Spike  | SPK Ref Val | %REC | Low Limit | High Limit | Date 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 Analyzed |
|--------------------------|------|---------------|------|----------------|--------|-------------|------|-------------|------|---------------|---------------|---------------|
| SampID: 23060419-046CMSD |      |               |      |                |        |             |      |             |      |               |               |               |
| Analyses                 | Cert | RL            | Qual | Result         | Spike  | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date 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  
**Client Project:** VER-23Q2

**Work Order:** 23060419  
**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  No  Not Present  Temp °C **4.4**
- Type of thermal preservation? None  Ice  Blue Ice  Dry Ice
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Reported field parameters measured: Field  Lab  NA
- Container/Temp Blank temperature in compliance? Yes  No

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

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

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

pH strip #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.

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASHPOND  
VER-845-912

Page: 1 of 3

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| <b>Section A</b><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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<br>Required Client Information<br><br><b>SAMPLE ID</b><br>(A-Z, 0-9 / -)<br>Sample IDs MUST BE UNIQUE | Valid Matrix Codes<br>MATRIX    CODE<br>DRINKING WATER    DW<br>WATER    WT<br>WASTE WATER    WW<br>PRODUCT    P<br>SOIL/SOLID    SL<br>OIL    OL<br>WIPE    WP<br>AIR    AR<br>OTHER    OT<br>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<br>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-002   |   |                                       |                             |           |      | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 23062419-001          |       |
| 2      | VER-003R  |   |                                       |                             | 6-21-23   | 0848 | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 002                   |       |
| 3      | VER-004   |   |                                       |                             | 6-21-23   | 1730 | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 003                   |       |
| 4      | VER-005   |   |                                       |                             |           |      | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 004                   |       |
| 5      | VER-007R  |   |                                       |                             |           |      | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 005                   |       |
| 6      | VER-008R  |   |                                       |                             | 6-21-23   | 0916 | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 006                   |       |
| 7      | VER-010   |   |                                       |                             |           |      | 6                         | 2               | 2             | 2                              |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 007                   |       |
| 8      | VER-016B  |   |                                       |                             |           |      | 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   |   |                                       |                             |           |      | 0                         |                 |               |                                |                  |     |      |   | ✓        | ✓                    | ✓                                 | ✓                       | 014                   |       |
| 15     | VER-024   |   |                                       |                             |           |      | 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>              |  | Justin Gelp                   |  | 6-21-23 | 1656 |                           |  | 6-22-23 | 1656 | 4.4               | 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: Justin Gelp |  |                               |  |         |      |                           |  |         |      |                   |                       |                             |                      |
| SIGNATURE of SAMPLER:              |  |                               |  |         |      |                           |  |         |      |                   |                       |                             |                      |



# CHAIN-OF-CUSTODY / Analytical Request Document

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ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

23060419

|                |    |   |
|----------------|----|---|
| Page: <b>2</b> | of | 3 |
|----------------|----|---|

|  |   |  |   |
|--|---|--|---|
| <b>Section A</b><br>Required Client Information: | <b>Section B</b><br>Required Project Information: | <b>Section C</b><br>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>         |   |
|  |   | Address: <b>see Section A</b>            | <b>REGULATORY AGENCY</b>                |
| Email To: <b>Brian.Voelker@VistraCorp.com</b>    | Purchase Order No.:                               | Quote Reference:                         | NPDES    GROUND WATER    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:    IL                            |

| ITEM # | Section D<br>Required Client Information<br><br><b>SAMPLE ID</b><br>(A-Z, 0-9 / .)<br>Sample IDs MUST BE UNIQUE | Valid Matrix Codes<br>MATRIX CODE<br>DRINKING WATER    DW<br>WATER    WT<br>WASTE WATER    WW<br>PRODUCT    P<br>SOIL/SOLID    SL<br>OIL    OL<br>WIPE    WP<br>AIR    AR<br>OTHER    OT<br>ISSUE    IS | MATRIX CODE<br>(see valid codes to left) | SAMPLE TYPE<br>(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 |                           | 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: |            |                       |                             |                      |
| DATE Signed (MM/DD/YY): 6-21-23    |                       |            |                       |                             |                      |

23060419

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

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

| ITEM # | Section D<br>Required Client Information | Valid Matrix Codes<br>MATRIX CODE | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives                         |                                |                  |     |      |   |          | Analysis Test<br>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                    |       |

|                     |                               |         |      |                           |         |      |                   |
|---------------------|-------------------------------|---------|------|---------------------------|---------|------|-------------------|
| 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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:                         |  | Project No. / Lab I.D.                  |  |  |
|  |  |   |  | Profile #:                               |  |   |  |  |

| ITEM # | Section D<br>Required Client Information | Valid Matrix Codes<br>MATRIX    CODE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED |         | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |                                |                  |     |      |   |          |       | Requested Analysis Filtered (Y/N) |                 |             |               | Residual Chlorine (Y/N) | Project No. / Lab I.D. |
|--------|--|--------------------------------------|---------------------------------------|-----------------------------|-----------|---------|---------------------------|-----------------|---------------|--------------------------------|------------------|-----|------|---|----------|-------|-----------------------------------|-----------------|-------------|---------------|-------------------------|------------------------|
|        |  |                                      |                                       |                             | DATE      | TIME    |                           |                 | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | NaOH | Ni <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 |                         |                        |
| 1      | VER-002                                  |                                      |                                       |                             |           |         | 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                         | 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 |
|---------------------|-------------------------------|------|-------|---------------------------|------|------|-------------------|
| VER-23Q2 Rev 0      | Brett Gillihan                | 6/29 | 17:46 | Chlorine                  | 6/29 | 1746 | 4.8 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: |                         |            |                       |                             |                      |
| Brett Gillihan             | <i>Brett Gillihan</i> | 6/29/23                 |            |                       |                             |                      |

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

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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|  |  |   |  |  |  |   |  |  |
|--|--|---|--|--|--|---|--|--|
| <b>Section A</b><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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<br>Required Client Information | Valid Matrix Codes<br>MATRIX CODE | COLLECTED | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |      |             |                                |                  |     |      |   |          |       | Analysis Test ↓<br>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               | 2             | 2    | 2           |                                |                  |     |      |   |          | ✓     | VER-845-910-911        |                                   |                         |                       |  |  |  | 2306049-017 |     |
| 2      | VER-035#S                                |                                   |           |                           | 6               | 2             | 2    | 2           |                                |                  |     |      |   |          | ✓     | VER-845-912            | ✓                                 | ✓                       | ✓                     |  |  |  |             | 018 |
| 3      | VER-035&D                                |                                   |           |                           | 6               | 2             | 2    | 2           |                                |                  |     |      |   |          | ✓     | VER-NPDES-912          | ✓                                 | ✓                       | ✓                     |  |  |  |             | 019 |
| 4      | VER-036                                  |                                   |           |                           | 6               | 2             | 2    | 2           |                                |                  |     |      |   |          | ✓     | VER-SUP-000            |                                   | ✓                       |                       |  |  |  |             | 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 |
|-----------------------|-------------------------------|-------------|--------------|---------------------------|-------------|--------------|-------------------|
| <b>VER-23Q2 Rev 0</b> | <i>Brett Gillman</i>          | <i>6/29</i> | <i>17:46</i> | <i>Allen Mohr</i>         | <i>6/29</i> | <i>17:46</i> |                   |

|   |                         |            |                       |                             |                      |
|---|-------------------------|------------|-----------------------|-----------------------------|----------------------|
| <b>SAMPLER NAME AND SIGNATURE</b>           |                         | Temp in °C | Received on ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) |
| PRINT Name of SAMPLER: <i>Brett Gillman</i> | DATE Signed (MM/DD/YY): |            |                       |                             |                      |
| SIGNATURE of SAMPLER: <i>Brett Gillman</i>  |                         |            |                       |                             |                      |

2306049

### 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>Invoice Information: |  | Page: <b>3</b> of <b>3</b>              |  |
| 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: <b>(217) 753-8911</b> Fax:                |  | Project Name:                                     |  | Quote Reference:                         |  | UST    RCRA    OTHER                    |  |
| Requested Due Date/TAT: <b>10 day</b>            |  | Project Number: <b>2285</b>                       |  | Project Manager:                         |  | Site Location:                          |  |
|  |  |   |  | Profile #:                               |  | STATE: <b>IL</b>                        |  |

| ITEM # | Section D<br>Required Client Information | Valid Matrix Codes<br>MATRIX CODE | MATERIAL CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED |      | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |                                |                  |     |      |   |          | Analysis Test ↓<br>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-102#S                                |                                   |   |                             |           |      | 0                         |                 |               |                                |                  |     |      |   |          |                        |                                   | 2306049-033             |                       |       |                 |             |               |             |
| 2      | VER-102&                                 |                                   |   |                             |           |      | 0                         |                 |               |                                |                  |     |      |   |          |                        |                                   | 034                     |                       |       |                 |             |               |             |
| 3      | VER-103#S                                |                                   |   |                             |           |      | 0                         |                 |               |                                |                  |     |      |   |          |                        |                                   | 035                     |                       |       |                 |             |               |             |
| 4      | VER-103& <i>sp</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                     |                       |       |                 |             |               |             |
| 15     |  |                                   |   |                             |           |      |                           |                 |               |                                |                  |     |      |   |          |                        |                                   |                         |                       |       |                 |             |               |             |
| 16     |  |                                   |   |                             |           |      |                           |                 |               |                                |                  |     |      |   |          |                        |                                   |                         |                       |       |                 |             |               |             |

| ADDITIONAL COMMENTS              | RELINQUISHED BY / AFFILIATION | DATE | TIME  | ACCEPTED BY / AFFILIATION | DATE | TIME  | SAMPLE CONDITIONS |
|----------------------------------|-------------------------------|------|-------|---------------------------|------|-------|-------------------|
| VER-23Q2 Rev 0<br>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> | DATE Signed (MM/DD/YY): |            |                       |                             |                      |
| SIGNATURE of SAMPLER: <i>[Signature]</i>    |                         |            |                       |                             |                      |

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)



## Report Contents

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

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**Report Date:** 03-Aug-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       | 34       |
| Dates Report         | 35       |
| Receiving Check List | 37       |
| 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)





## Definitions

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

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

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

### Qualifiers

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



## Case Narrative

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

**Client:** Ramboll  
**Client Project:** 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

#### Collinsville Air

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

#### Springfield

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

#### Chicago

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

#### Kansas City

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



## Accreditations

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

<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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-004  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-005  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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**

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-007  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-010  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-011  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-020  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-012  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-021  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-013  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-022  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-014  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-034  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll  
**Client Project:** VER-23Q2  
**Lab ID:** 23060420-024  
**Matrix:** GROUNDWATER

**Work Order:** 23060420  
**Report Date:** 03-Aug-23  
**Client Sample ID:** VER-070#S  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

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

**Work Order:** 23060420  
**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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

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

**Work Order:** 23060420  
**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 |



## Sample Summary

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

**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 |



## Dates Report

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**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

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 2, 2023  
 VERMILION, NEW EAST ASH POND  
 VER-845-912

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

**Client:** Ramboll

**Work Order:** 23060420

**Client Project:** VER-23Q2

**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  No  Not Present  Temp °C **4.8**
- Type of thermal preservation? None  Ice  Blue Ice  Dry Ice
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Reported field parameters measured: Field  Lab  NA
- Container/Temp Blank temperature in compliance? Yes  No

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

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

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

pH strip #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

### 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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><br>NPDES      GROUND WATER      DRINKING WATER<br>UST      RCRA      OTHER<br><br>Site Location:      IL<br>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<br>Required Client Information<br><br><b>SAMPLE ID</b><br>(A-Z, 0-9 / .-)<br>Sample IDs MUST BE UNIQUE | Valid Matrix Codes<br>MATRIX CODE<br>DRINKING WATER DW<br>WATER WT<br>WASTE WATER WW<br>PRODUCT P<br>SOIL/SOLID SL<br>OIL OL<br>WIPE WP<br>AIR AR<br>OTHER OT<br>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<br>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<br>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) |
|                                    |                               |         |      |                           |         |      | 28<br>6           |                       |                             |                      |

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

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

23060420

## 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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<br>Required Client Information | Valid Matrix Codes<br>MATRIX CODE | MATRIX CODE (see valid codes to left) | 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                                  |                                   |                                       | 6-20-23   | 1626   | 2                         | 2               | 2             |                                |                  |     |      |   |          |               |                                   | 23060420-014            |                       |       |                 |             |               |             |
| 2      | VER-035#S                                |                                   |                                       |           |        | 2                         | 2               |               |                                |                  |     |      |   |          |               |                                   | 015                     |                       |       |                 |             |               |             |
| 3      | VER-035&D                                |                                   |                                       |           |        | 2                         | 2               |               |                                |                  |     |      |   |          |               |                                   | 016                     |                       |       |                 |             |               |             |
| 4      | VER-036                                  |                                   |                                       |           | 1433-R | 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& O19 (4th row)                   |                                   |                                       | 6-10-23   | 1354   | 2                         | 2               |               |                                |                  |     |      |   |          |               |                                   | 028                     |                       |       |                 |             |               |             |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE    | TIME  | ACCEPTED BY / AFFILIATION | DATE    | TIME  | SAMPLE CONDITIONS |
|---------------------|-------------------------------|---------|-------|---------------------------|---------|-------|-------------------|
| VER-23Q2 Rev 0      | <i>Brian Voelker</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>Tracey Carrillo</i> |  |  |                        |                       |                             |                      |
| SIGNATURE of SAMPLER:      | <i>Tracey Carrillo</i> |  |  | DATE Signed (MM/DDYY): | 6/21/23               |                             |                      |

23060420

### 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>Invoice Information: |  | REGULATORY AGENCY                        |  |
| 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    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<br>Required Client Information | Valid Matrix Codes<br>MATRIX    CODE | DATE    | TIME  | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Requested Analysis Filtered (Y/N) |                                |                  |     |      |   |          |       |               |                 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|--------|--|--------------------------------------|---------|-------|---------------------------|-----------------|-----------------------------------|--------------------------------|------------------|-----|------|---|----------|-------|---------------|-----------------|-------------------------|-----------------------|
|        |  |                                      |         |       |                           |                 | Preservatives                     |                                |                  |     |      |   |          |       |               |                 |                         |                       |
|        |  |                                      |         |       |                           |                 | Unpreserved                       | H <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 |                         |                       |
| 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                                  |                                      | 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 | 11630 |                           | 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<br>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:     | SIGNATURE of SAMPLER:           |            |                       |                              |                      |
| Tracy Crowl                | Justin Cole                     |            |                       |                              |                      |
|                            | 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.

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

23060420

Page: **2** of **3**

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

| ITEM # | Section D<br>Required Client Information | Valid Matrix Codes<br>MATRIX      CODE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED |      | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |                                |                  |     |      |   |          | Requested Analysis Filtered (Y/N) |                 |     |     | Residual Chlorine (Y/N) | Project No./ Lab I.D. |     |     |
|--------|--|--|---------------------------------------|-----------------------------|-----------|------|---------------------------|-----------------|---------------|--------------------------------|------------------|-----|------|---|----------|-----------------------------------|-----------------|-----|-----|-------------------------|-----------------------|-----|-----|
|        |  |  |                                       |                             | DATE      | TIME |                           |                 | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | Methanol | Other                             | Analysis Test ↓ | Y/N | Y/N |                         |                       | Y/N | Y/N |
|        |  |  |                                       |                             |           |      |                           |                 |               |                                |                  |     |      |   |          |                                   |                 |     |     |                         |                       |     |     |
| 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                  |                  |     |      |   | 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      | Justin Gelp                   | 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 Gelp        |                           |                       |                             |                      |
| SIGNATURE of SAMPLER:      | <i>Justin Gelp</i> | DATE Signed (MM/DD/YYYY): | 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><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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:                                     |  | 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<br>Required Client Information<br><br><b>SAMPLE ID</b><br>(A-Z, 0-9 / , -)<br>Sample IDs MUST BE UNIQUE | Valid Matrix Codes<br>MATRIX CODE<br>DRINKING WATER DW<br>WATER WT<br>WASTE WATER WW<br>PRODUCT P<br>SOIL/SOLID SL<br>OIL OL<br>VAPOR VP<br>AIR AR<br>OTHER OT<br>TISSUE TS | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (S=GRAB C=COMP) | COLLECTED |      | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |                                |                  |     |      |   |          |       | Analysis Test<br>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-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<br>DUP @ VER-010    | Justin Colp                   | 6-21-23 | 1656 | Justin Colp               | 6/21 | 14586                       |                   |
| SAMPLER NAME AND SIGNATURE         |                               |         |      |                           |      |                             | Temp in °C        |
| PRINT Name of SAMPLER: Justin Colp |                               |         |      |                           |      | Received on Ice (Y/N)       |                   |
| SIGNATURE of SAMPLER: Justin Colp  |                               |         |      |                           |      | Custody Sealed Cooler (Y/N) |                   |
| DATE Signed (MM/DD/YY): 6-21-23    |                               |         |      |                           |      | Samples Intact (Y/N)        |                   |



23060420

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

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|  |  |   |  |  |  |   |  |  |
|--|--|---|--|--|--|---|--|--|
| <b>Section A</b><br>Required Client Information: |  | <b>Section B</b><br>Required Project Information: |  | <b>Section C</b><br>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<br>Required Client Information | Valid Matrix Codes<br>MATRIX    CODE | MATRIX CODE<br>(see valid codes to left) | SAMPLE TYPE<br>(G=GRAB C=COMP) | COLLECTED |      | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |                                |                  |     |      |   |          | Analysis Test<br>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               |               |                                |                  |     |      |   |          |                      |                                   |                         |                       |
| 16     | VER-101&                                 |                                      |  |                                |           |      | 2                         | 2               |               |                                |                  |     |      |   |          |                      |                                   |                         | 028                   |

Project No. / Lab I.D.  
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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 Colon              | 6/29 | 17:46 | Y.S               |

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>Bret Gilligan</i>  |                         |            |                       |                             |                      |



# ANALYTICAL REPORT

August 02, 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

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

## TEKLAB, Inc.

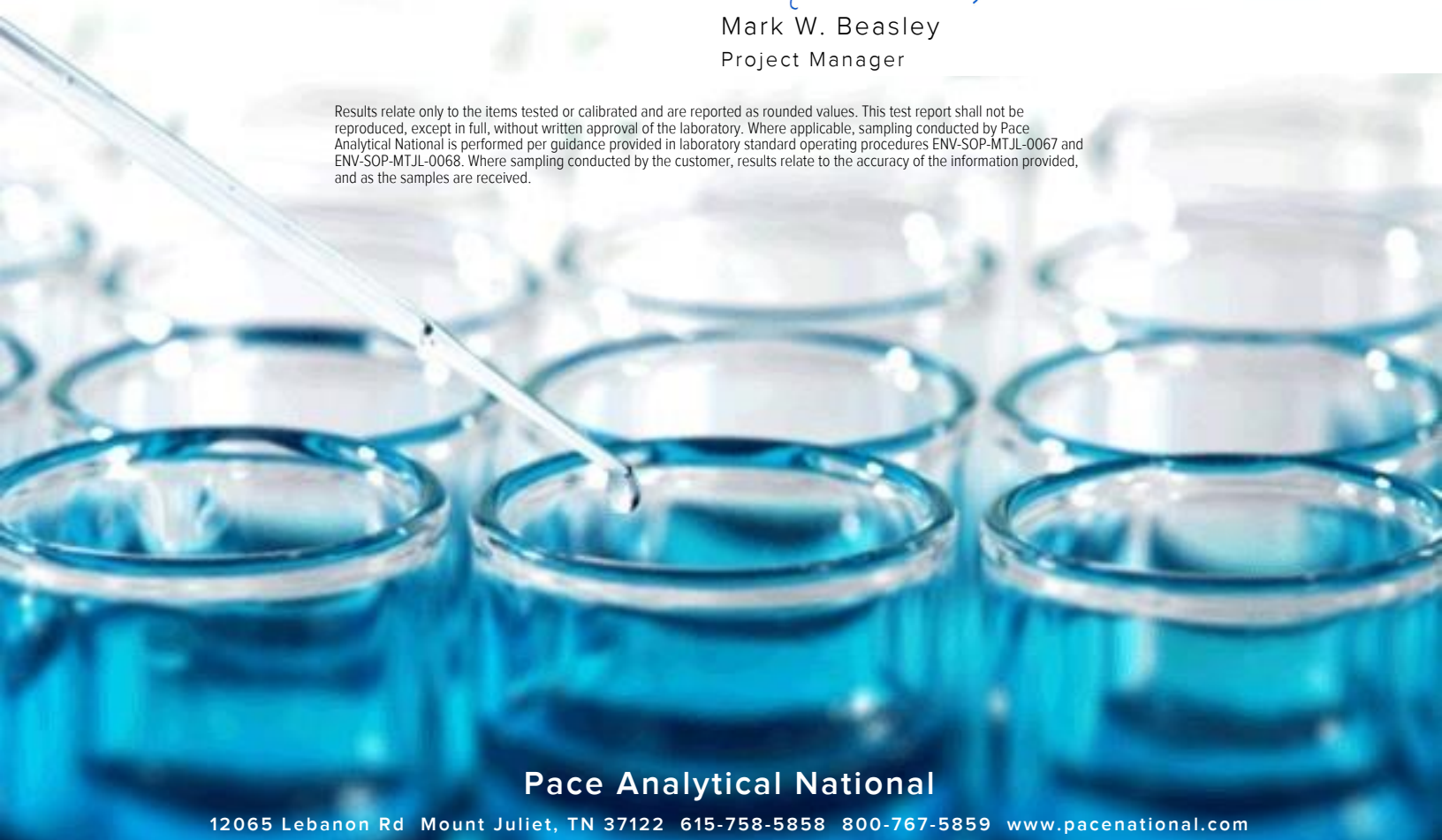
Sample Delivery Group: L1630194  
 Samples Received: 06/28/2023  
 Project Number: 2306420  
 Description:

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.



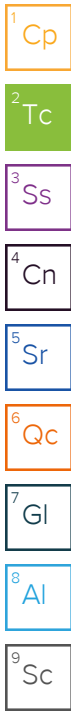
### Pace Analytical National

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

# TABLE OF CONTENTS

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2, 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|   |           |
|---|-----------|
| <b>Cp: Cover Page</b>                     | <b>1</b>  |
| <b>Tc: Table of Contents</b>              | <b>2</b>  |
| <b>Ss: Sample Summary</b>                 | <b>3</b>  |
| <b>Cn: Case Narrative</b>                 | <b>8</b>  |
| <b>Sr: Sample Results</b>                 | <b>9</b>  |
| 23060420-001 L1630194-01                  | 9         |
| 23060420-002 L1630194-02                  | 10        |
| 23060420-003 L1630194-03                  | 11        |
| 23060420-004 L1630194-04                  | 12        |
| 23060420-005 L1630194-05                  | 13        |
| 23060420-006 L1630194-06                  | 14        |
| 23060420-007 L1630194-07                  | 15        |
| 23060420-010 L1630194-08                  | 16        |
| 23060420-011 L1630194-09                  | 17        |
| 23060420-012 L1630194-10                  | 18        |
| 23060420-013 L1630194-11                  | 19        |
| 23060420-014 L1630194-12                  | 20        |
| 23060420-017 L1630194-13                  | 21        |
| 23060420-018 L1630194-14                  | 22        |
| 23060420-019 L1630194-15                  | 23        |
| 23060420-020 L1630194-16                  | 24        |
| 23060420-021 L1630194-17                  | 25        |
| 23060420-022 L1630194-18                  | 26        |
| 23060420-023 L1630194-19                  | 27        |
| 23060420-024 L1630194-20                  | 28        |
| 23060420-025 L1630194-21                  | 29        |
| 23060420-027 L1630194-22                  | 30        |
| 23060420-030 L1630194-23                  | 31        |
| 23060420-032 L1630194-24                  | 32        |
| 23060420-033 L1630194-25                  | 33        |
| 23060420-034 L1630194-26                  | 34        |
| 23060420-016 L1630194-27                  | 35        |
| <b>Qc: Quality Control Summary</b>        | <b>36</b> |
| Radiochemistry by Method 904/9320         | 36        |
| Radiochemistry by Method SM7500Ra B M     | 38        |
| <b>Gl: Glossary of Terms</b>              | <b>41</b> |
| <b>Al: Accreditations &amp; Locations</b> | <b>42</b> |
| <b>Sc: Sample Chain of Custody</b>        | <b>43</b> |



# SAMPLE SUMMARY ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NEW EAST TASH POND

VER-845-912      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

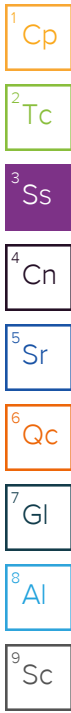
## 23060420-005 L1630194-05 Non-Potable Water

| 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 ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

Collection Location: VERMILION, NEW EAST TASH POND

VER-845-912      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

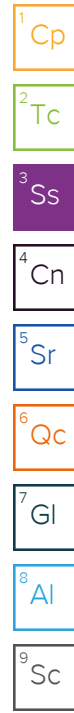
## 23060420-013 L1630194-11 Non-Potable Water

| 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 ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NEW EAST TASH POND

VER-845-912

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 Tracy Carroll      Collected date/time 06/21/23 09:49      Received date/time 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 Tracy Carroll      Collected date/time 06/20/23 15:08      Received date/time 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 Tracy Carroll      Collected date/time 06/20/23 13:42      Received date/time 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 Tracy Carroll      Collected date/time 06/21/23 12:08      Received date/time 06/28/23 09:15

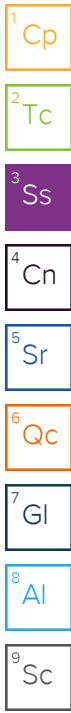
## 23060420-021 L1630194-17 Non-Potable Water

| 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 Tracy Carroll      Collected date/time 06/20/23 12:32      Received date/time 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 ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

Collection Point: VERMILION, NEW EAST TASH POND  
 VER-845-912  
 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 Tracy Carroll  
 Collected date/time 06/21/23 11:19  
 Received date/time 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 Tracy Carroll  
 Collected date/time 06/20/23 10:00  
 Received date/time 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 Tracy Carroll  
 Collected date/time 06/20/23 10:29  
 Received date/time 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 Tracy Carroll  
 Collected date/time 06/20/23 11:35  
 Received date/time 06/28/23 09:15

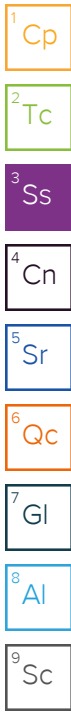
## 23060420-030 L1630194-23 Non-Potable Water

| 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 Tracy Carroll  
 Collected date/time 06/20/23 10:52  
 Received date/time 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

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NEW EAST TASH POND

VER-845-912

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

## 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 11:46    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 06/29/23 11:20    Received date/time 07/07/23 09:00

## 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 |

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, NEW EAST ASH POND  
VER-845-912

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

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> |

1 Cp

2 Tc

3 Ss

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> |

4 Cn

5 Sr

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> |

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  | 0.874  |           | 0.385       | 0.676    | 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 | 106    |           |             | 30.0-136 | 07/19/2023 20:32 | <a href="#">WG2095176</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 | 1.19   |           | 0.477       | 0.758 | 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     | 0.320  | J         | 0.281       | 0.342    | 07/19/2023 20:27 | <a href="#">WG2096956</a> |
| (T) Barium-133 | 90.6   |           |             | 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  | 0.671  |           | 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> |

1 Cp

2 Tc

3 Ss

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> |

4 Cn

5 Sr

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> |

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  | 0.468  | 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> |

- 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 | 1.76   |           | 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> |

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> |

1 Cp

2 Tc

3 Ss

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> |

4 Cn

5 Sr

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> |

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> |

- 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 | 1.08   |           | 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> |



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> |

- 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  | 1.05   |           | 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> |

1 Cp

2 Tc

3 Ss

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> |

4 Cn

5 Sr

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> |

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

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

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



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> |

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> |

- 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 | 1.26   |           | 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> |

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> |

- 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  | 0.357  | 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> |

- 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 | 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> |

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

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

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> |

1 Cp

2 Tc

3 Ss

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> |

4 Cn

5 Sr

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> |

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



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

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> |

4 Cn

5 Sr

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> |

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  | 0.857  |           | 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> |

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> |

- 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  | 0.536  |           | 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<br>pCi/l | MB Qualifier | MB Uncertainty<br>+ / - | MB MDA<br>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<br>pCi/l | Original Uncertainty<br>+ / - | Original MDA<br>pCi/l | DUP Result<br>pCi/l | DUP Uncertainty<br>+ / - | DUP MDA<br>pCi/l | Dilution | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD Limits<br>% | 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<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | 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<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| 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           |          |                  |              |               |          |        |                 |

<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

Method Blank (MB)

(MB) R3954146-1 07/24/23 17:10

| Analyte     | MB Result<br>pCi/l | MB Qualifier | MB Uncertainty<br>+ / - | MB MDA<br>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<br>pCi/l | Original Uncertainty<br>+ / - | Original MDA<br>pCi/l | DUP Result<br>pCi/l | DUP Uncertainty<br>+ / - | DUP MDA<br>pCi/l | Dilution | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD Limits<br>% | 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<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | 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<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| 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           |          |                  |              |               |          |        |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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<br>pCi/l | MB Qualifier | MB Uncertainty<br>+ / - | MB MDA<br>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<br>pCi/l | Original Uncertainty<br>+ / - | Original MDA<br>pCi/l | DUP Result<br>pCi/l | DUP Uncertainty<br>+ / - | DUP MDA<br>pCi/l | Dilution | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD Limits<br>% | 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<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | 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<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|----------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| 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          |          |                  |              |               |          |        |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3956075-5 07/21/23 14:35

| Analyte        | MB Result<br>pCi/l | MB Qualifier | MB Uncertainty<br>+ / - | MB MDA<br>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<br>pCi/l | Original Uncertainty<br>+ / - | Original MDA<br>pCi/l | DUP Result<br>pCi/l | DUP Uncertainty<br>+ / - | DUP MDA<br>pCi/l | Dilution | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD Limits<br>% | 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<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | 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<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|----------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| 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, NEW EAST ASH POND

VER-845-912

## 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.               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# ACCREDITATIONS & LOCATIONS

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 2, 2023

VERMILION, NEW EAST ASH POND

VER-845-912

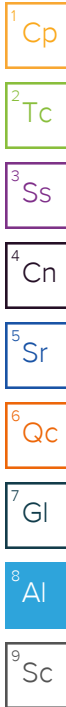
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                               |             |                             |                  |
|-------------------------------|-------------|-----------------------------|------------------|
| 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:

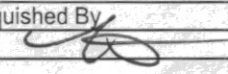

Phone:

**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"/> |
|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

| 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:

Project#

Contact:  Email:   
 Requested Due Date:  Billing/PO:

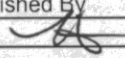
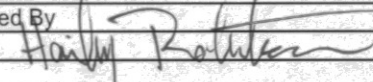
Phone:

**PLEASE NOTE:**

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|           |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 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"/> |
|-----------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

| Lab Use    | Sample ID    | Sample Date/Time | Preservative | Matrix      |
|------------|--------------|------------------|--------------|-------------|
| L123194-12 | 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 <input type="text" value="6/26/23"/> | Received By  | Date/Time <input type="text" value="6/28/23 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:

Project#

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..

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.

| Lab Use    | Sample ID    | Sample Date/Time | Preservative | Matrix      | Ra226/228 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|--------------|------------------|--------------|-------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| U630194-23 | 23060420-030 | 6/20/23 1135     | HNO3         | Groundwater | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -24        | 23060420-032 | 6/20/23 1052     | HNO3         | Groundwater | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -25        | 23060420-033 | 6/20/23 1630     | HNO3         | Groundwater | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -26        | 23060420-034 | 6/20/23 1446     | HNO3         | Groundwater | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |              |                  | HNO3         | Groundwater |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |              |                  | HNO3         | Groundwater |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**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

PH 10BD44321 TRC-2144141  
CRS-20221V

| *Relinquished By   | Date/Time | Received By        | Date/Time    |
|--------------------|-----------|--------------------|--------------|
| <i>[Signature]</i> | 6/20/23   | <i>[Signature]</i> | 6/28/23 0915 |
|                    |           |                    |              |
|                    |           |                    |              |

| Tracking<br>Numbers |  | GB A/C<br>Temperature |  |
|---------------------|--|-----------------------|--|
| U319 3614 3800      |  | 25.1 ± 0 = 25.1       |  |
| U319 3614 3811      |  | 24.0 ± 0 = 24.0       |  |
| U319 3614 3822      |  | 25.8 ± 0 = 25.8       |  |
|                     |  |                       |  |
|                     |  |                       |  |

U30194

**TEKLAB, INC. Chain of Custody**

C154

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:

Project#

Contact:  Email:

Requested Due Date:  Billing/PO:

Phone:

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.

*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      | 226 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------|--------------|------------------|--------------|-------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| -27 -01 | 23060420-016 | 4/17/22 1034     | HNO3         | Groundwater | ✓   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              | 4/29/23 1120     | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              | EPH 7/5/23       | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |              |                  | HNO3         | Groundwater |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**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 1 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2 of 103  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 2 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      |

Connection on well is split.

|                     |             |
|---------------------|-------------|
| 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) | nLFCCond (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          |

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 | 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           |

FILE CREATED: 6/22/2023 14:04

| 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 - Page 16 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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 - OPERATOR  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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   |

| 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   |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 26 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER002  | 6/20/2023 | 1.13       | 10.05           | -17.8    |                    |
| VER002  | 6/20/2023 | 0.88       | 6.13            | -47.4    |                    |
| VER002  | 6/20/2023 | 0.85       | 3.77            | -63.8    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 22 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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    |                    |

|                     |             |       |            |      |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                   |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 24 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |
|---------------------|-------------|
| 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    |                    |

|                     |             |       |            |      |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                     |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 26 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

| Well ID | Date      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER005  | 6/20/2023 | 0.78       | 9.82            | 27       |                    |
| VER005  | 6/20/2023 | 0.62       | 6.81            | 26.3     |                    |
| VER005  | 6/20/2023 | 0.54       | 4.08            | 24.6     |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 28 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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     |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 66 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER008R | 6/21/2023 | 1.19       | 9.92            | 11.1     |                    |
| VER008R | 6/21/2023 | 0.89       | 4.96            | -9.8     |                    |
| VER008R | 6/21/2023 | 0.74       | 3.8             | -24.9    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 of 2023  
Page 22 of 103  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 16B                 | 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) |
|------|------------|-----|----------|--------------|--------------|---------|-----------------|-------------------------|
| 1340 | 1340       | DRY |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 16B                 | 06/19/2023  |

| 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 ( $\mu$ S/cm) | Sp Cond ( $\mu$ mhos/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          |             |       |            |       |          |              |              |         |                 |                         |
| 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    |                    |



|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATOR 1023  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 18 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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    |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 23                  | 06/29/2023  |

| 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 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATOR of 1023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 23                  | 06/29/2023  |

| ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|------------|-----------------|----------|--------------------|
|            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 24                  | 6.29.23     |

| Time | Time (adj) | DTW   | Drawdown | Temp (deg C) | Temp (deg F) | pH (SU) | Sp Cond (μS/cm) | Sp Cond (μmhos/cm @25C) |
|------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 1053 | 1053       | 21.93 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 24                  | 6.29.23     |

| 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  |

| 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 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 25                  | 06/20/2023  |

| 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 - ~~Page 58 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER034  | 6/20/2023 | 0.4        | 101.4           | -99.5    |                    |
| VER034  | 6/20/2023 | 0.37       | 93.63           | -103.2   |                    |
| VER034  | 6/20/2023 | 0.36       | 89.08           | -106.1   |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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 |          |              |              |         |                 |                         |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 35S                 | 6.29.23     |

| 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 - OPERATOR 1028  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 58 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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.  
845 QUARTERLY REPORT - Q2 2023  
Page 6 of 10  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER037  | 6/21/2023 | 0.82       | 9.87            | -7.8     |                    |
| VER037  | 6/21/2023 | 0.63       | 8.64            | -38.6    |                    |
| VER037  | 6/21/2023 | 0.54       | 5.73            | -52.3    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 68 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER038  | 6/20/2023 | 0.58       | 9.54            | -84.3    |                    |
| VER038  | 6/20/2023 | 0.49       | 4.95            | -91.9    |                    |
| VER038  | 6/20/2023 | 0.44       | 5.8             | -97.5    |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |       |            |       |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                  |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
Page 68 of 108  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| 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     |                    |

|                     |             |       |            |      |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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                  |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| 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    |                    |

|                     |             |       |            |       |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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                  |

|                     |             |
|---------------------|-------------|
| 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   |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATOR of 103  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VER043  | 6/20/2023 | 0.42       | 7.81            | -120.9   |                    |
| VER043  | 6/20/2023 | 0.4        | 5.88            | -123     |                    |
| VER043  | 6/20/2023 | 0.4        | 6.85            | -124.5   |                    |



|                     |             |       |            |      |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                  |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| 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     |                    |

|                     |             |       |            |       |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                  |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| 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    |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 71S                 | 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) |
|------|------------|-----|----------|--------------|--------------|---------|-----------------|-------------------------|
| 1331 | 1331       | DRY |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATOR of 1028  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 71S                 | 06/19/2023  |

| 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 - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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    |                    |



|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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     |

| 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 - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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   |

| 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.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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     |

| 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 - OPERATIONAL DATA  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 102                 | 06/19/2023  |

| Sp Cond ( $\mu$ mhos/cm @25C) | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|-------------------------------|------------|-----------------|----------|--------------------|
|                               |            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 88 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 103S                | 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) |
|------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 1327 | 1327       | 57.6 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| 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) |
|------------|-----------------|----------|--------------------|
|            |                 |          |                    |

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 103                 | 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) |
|------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 1329 | 1329       | 137.2 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 103                 | 06/19/2023  |

| 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  |

| 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 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 104S                | 06/19/2023  |

| 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 - OPERATIONS  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 104                 | 06/19/2023  |

| Sp Cond ( $\mu$ mhos/cm @25C) | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|-------------------------------|------------|-----------------|----------|--------------------|
|                               |            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 16 of 118~~  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |
|---------------------|-------------|
| 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 - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 105S                | 06/19/2023  |

| 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 - Q2 2023  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| 105                 | 06/19/2023  |

| Sp Cond ( $\mu$ mhos/cm @25C) | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|-------------------------------|------------|-----------------|----------|--------------------|
|                               |            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - DATE 10/11/23  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |       |            |       |          |              |              |         |                 |                         |
|---------------------|-------------|-------|------------|-------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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) |
| 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                  |

ATTACHMENT B.  
845 QUARTERLY REPORT - DATE 10/13/23  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

| Well ID | Date      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|---------|-----------|------------|-----------------|----------|--------------------|
| VERND3  | 6/20/2023 | 3.45       | 9.67            | 47.7     |                    |
| VERND3  | 6/20/2023 | 2.74       | 7.36            | 47.9     |                    |
| VERND3  | 6/20/2023 | 2.35       | 5.09            | 47.5     |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - DATE 12/12/23  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |                  |
|---------------------|------------------|
| Site Sampling Event | VER-Q2-2023      |
| LIMS Workorder      | 23060419         |
| Technician          |                  |
| Well ID             | Date             |
| NED1                | could not locate |

| ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|------------|-----------------|----------|--------------------|
|            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - DATE 10/18/23  
VERMILION, NEW EAST ASH POND  
VER-845-912



|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - Page 16 of 118  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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 - DATE 10/11/23  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| SG01                | 06/20/2023  |

| 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 |          |              |              |         |                 |                         |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 10 of 10~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |
| Well ID             | Date        |
| SG01                | 06/20/2023  |

| ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|------------|-----------------|----------|--------------------|
|            |                 |          |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - Page 108 of 118  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |                |
|---------------------|----------------|
| 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 - DATE 10/11/23  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |                |
|---------------------|----------------|
| 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 - DATE 6/20/23  
VERMILION, NEW EAST ASH POND  
VER-845-912

|                     |             |
|---------------------|-------------|
| Site Sampling Event | VER-Q2-2023 |
| LIMS Workorder      | 23060419    |
| Technician          |             |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 11 of 11~~  
VERMILION, NEW EAST ASH POND  
VER-845-912

| 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) |
|-----------|-----------|-------|------------|------|----------|--------------|--------------|---------|-----------------|-------------------------|
| 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      | ODO (mg/L) | Turbidity (NTU) | ORP (mV) | Purge Volume (gal) |
|-----------|-----------|------------|-----------------|----------|--------------------|
| Duplicate | 6/20/2023 | 3.37       | 14.86           | 119.1    |                    |
| Duplicate | 6/20/2023 | 3.31       | 9.57            | 126.6    |                    |
| Duplicate | 6/20/2023 | 3.28       | 6.44            | 131      |                    |

ATTACHMENT B.  
845 QUARTERLY REPORT - ~~Page 12 of 108~~  
VERMILION, NEW EAST ASH POND  
VER-845-912



### 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 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 | _____ | _____ | _____ |

|                |         |                          |         |               |                   |             |
|----------------|---------|--------------------------|---------|---------------|-------------------|-------------|
| pH Calibration | Reading | Conductivity Calibration | Reading | units         | _____ Calibration | Reading     |
| Date: 6-20-23  | 3.95    | _____ $\mu$ S            | 0-199.9 | _____ $\mu$ S | Std. _____        | Units _____ |
| Time: 0821     | 7.05    | 1454 $\mu$ S             | 0-1999  | _____ $\mu$ S | Std. _____        | Units _____ |
|                | 10.06   | _____ mS                 | 0-19.99 | _____ mS      | Std. _____        | Units _____ |

Field Analyst Sig & Date: \_\_\_\_\_ 6-20-23  
 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 ( ): \_\_\_\_\_

|                          |       |             |        |                |              |                       |       |       |          |       |       |       |
|--------------------------|-------|-------------|--------|----------------|--------------|-----------------------|-------|-------|----------|-------|-------|-------|
| Field Temp SOP 1156      | SW846 | Std Methods | 2550 B | pH 4.0 Buffer  | WC 73042A    | Conductivity Std.     | 1412  | 74610 | Std.     | _____ | Lot # | _____ |
| pH in the Field SOP 1152 | 9040B | 4500-H B    |        | pH 7.0 Buffer  | WC 2305043   | Conductivity Std.     | _____ | _____ | Std.     | _____ | _____ | _____ |
| Field Cond. SOP 1155     | 9050A | 2510 B      |        | pH 10.0 Buffer | WC 2305040   | Conductivity Std.     | _____ | _____ | Std.     | _____ | _____ | _____ |
| Other: _____             |       |             |        | pH LCS/LCSD    | 7 WC 2302108 | Conductivity LCS/LCSD | _____ | _____ | LCS/LCSD | _____ | _____ | _____ |

|                |              |                          |             |       |                   |             |
|----------------|--------------|--------------------------|-------------|-------|-------------------|-------------|
| pH Calibration | Reading      | Conductivity Calibration | Reading     | units | _____ Calibration | Reading     |
| Date: 6/20/23  | <u>4.00</u>  | <u>1412</u>              | <u>1412</u> | μS    | Std. _____        | Units _____ |
| Time: 840      | <u>7.01</u>  |                          |             | μS    | Std. _____        | Units _____ |
|                | <u>10.03</u> |                          |             | mS    | 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 Temp SOP 1156      | SW846 | Std Methods | Lot # | Conductivity Std. _____     | Lot # | Std. _____     |
| pH in the Field SOP 1152 | 9040B | 4500-H B    | _____ | Conductivity Std. _____     | _____ | Std. _____     |
| Field Cond. SOP 1155     | 9050A | 2510 B      | _____ | Conductivity Std. _____     | _____ | Std. _____     |
| Other: _____             |       |             | _____ | Conductivity LCS/LCSD _____ | _____ | LCS/LCSD _____ |

pH Calibration

|               |      |
|---------------|------|
| Reading       | 4.01 |
| Date: 6-21-23 | 7.02 |
| Time: 0800    | 9.98 |

Field Analyst Sig & Date: AWA CA 6-21-23

Reviewed By & Date: \_\_\_\_\_

Reviewed By & Date: \_\_\_\_\_

Conductivity Calibration

|          |         |
|----------|---------|
| Reading  | units   |
| _____ μS | 0-199.9 |
| _____ μS | 0-1999  |
| _____ mS | 0-19.99 |

Field Analyst Sig & Date: AWA CA 6-21-23

Reviewed By & Date: \_\_\_\_\_

Reviewed By & Date: \_\_\_\_\_

\_\_\_\_\_ Calibration

|           |             |
|-----------|-------------|
| Reading   | _____       |
| Std _____ | Units _____ |
| Std _____ | Units _____ |
| Std _____ | Units _____ |

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     | _____ | 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 | Reading | Conductivity Calibration | Reading | units | _____   | Calibration | Reading |
| Date: 6-29-23  | 4.02    | _____                    | _____   | μS    | 0-199.9 | Std         | Units   |
| Time: 1039     | 7.03    | _____                    | 1418    | μS    | 0-1999  | Std         | Units   |
|                | 10.01   | _____                    | _____   | mS    | 0-19.99 | Std         | Units   |

|  |  |                                 |
|--|--|---------------------------------|
| 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  
NEW EAST ASH POND  
OAKWOOD, IL

| Well ID | HSU | Event | Parameter                      | Units | Date Range          | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| 35D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 67         | CI around median        | 0.001              | 0.00500    |
| 35D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 11         | CI around mean          | 0.00142            | 0.001      |
| 35D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around median        | 0.0261             | 0.0820     |
| 35D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.0005             | 0.001      |
| 35D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 1.52               | 0.430      |
| 35D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.002              | 0.001      |
| 35D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 251                | 20.4       |
| 35D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 67         | CI around median        | 0.0015             | 0.00400    |
| 35D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/29/23 | 9            | 22         | CI around mean          | 0.000677           | 0.0900     |
| 35D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.688              | 0.430      |
| 35D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/29/23 | 9            | 44         | CI around geomean       | 0.000903           | 0.001      |
| 35D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.104              | 0.0300     |
| 35D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.0002     |
| 35D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/29/23 | 9            | 11         | CI around mean          | 0.0125             | 0.00400    |
| 35D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/29/23 | 13           | 0          | CI around median        | 7.2/7.7            | 6.3/7.8    |
| 35D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/29/23 | 9            | 0          | CI around mean          | 0.28               | 7.00       |
| 35D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.001              | 0.001      |
| 35D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/29/23 | 14           | 0          | CI around mean          | 1,040              | 338        |
| 35D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/29/23 | 9            | 100        | All ND - Last           | 0.002              | 0.002      |
| 35D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/29/23 | 14           | 0          | CI around mean          | 2,560              | 1,080      |
| 70S     | UU  | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.00500    |
| 70S     | UU  | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.01               | 0.001      |
| 70S     | UU  | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.0163             | 0.0820     |
| 70S     | UU  | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0005             | 0.001      |
| 70S     | UU  | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.331              | 0.430      |
| 70S     | UU  | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.002              | 0.001      |
| 70S     | UU  | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CB around linear reg    | 5.54               | 20.4       |

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW EAST ASH POND  
OAKWOOD, IL

| Well ID | HSU | Event | Parameter                      | Units | Date Range          | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| 70S     | UU  | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.005              | 0.00400    |
| 70S     | UU  | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.0900     |
| 70S     | UU  | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.139              | 0.430      |
| 70S     | UU  | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0075             | 0.001      |
| 70S     | UU  | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 0.0116             | 0.0300     |
| 70S     | UU  | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.0002     |
| 70S     | UU  | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/21/23 | 9            | 11         | CI around mean          | 0.00499            | 0.00400    |
| 70S     | UU  | E001  | pH (field)                     | SU    | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 6.9/7.0            | 6.3/7.8    |
| 70S     | UU  | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/21/23 | 9            | 0          | CI around geomean       | 0.0683             | 7.00       |
| 70S     | UU  | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.001              | 0.001      |
| 70S     | UU  | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 587                | 338        |
| 70S     | UU  | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/21/23 | 9            | 100        | All ND - Last           | 0.002              | 0.002      |
| 70S     | UU  | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/21/23 | 9            | 0          | CI around mean          | 1,210              | 1,080      |
| 70D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 78         | CI around median        | 0.001              | 0.00500    |
| 70D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 44         | CI around mean          | 0.000424           | 0.001      |
| 70D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 0.465              | 0.0820     |
| 70D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/20/23 | 9            | 67         | CI around median        | 0.001              | 0.001      |
| 70D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 1.05               | 0.430      |
| 70D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last           | 0.002              | 0.001      |
| 70D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 492                | 20.4       |
| 70D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00202           | 0.00400    |
| 70D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00324           | 0.0900     |
| 70D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg    | -0.0206            | 0.430      |
| 70D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CI around mean          | -0.00239           | 0.001      |
| 70D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean          | 0.0661             | 0.0300     |
| 70D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last           | 0.0002             | 0.0002     |
| 70D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/20/23 | 9            | 11         | CB around linear reg    | -0.0508            | 0.00400    |

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**  
845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW EAST ASH POND  
OAKWOOD, IL

| Well ID | HSU | Event | Parameter                      | Units | Date Range          | Sample Count | Percent ND | Statistical Calculation             | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------------------|--------------------|------------|
| 70D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg                | 5.9/7.5            | 6.3/7.8    |
| 70D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean                      | 0.928              | 7.00       |
| 70D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 78         | CI around median                    | 0.001              | 0.001      |
| 70D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CI around mean                      | 48                 | 338        |
| 70D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/20/23 | 9            | 100        | All ND - Last                       | 0.002              | 0.002      |
| 70D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/20/23 | 9            | 0          | CB around linear reg                | 469                | 1,080      |
| 71D     | BCU | E001  | Antimony, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 60         | CI around median (Last Sample, n<7) | 0.001              | 0.00500    |
| 71D     | BCU | E001  | Arsenic, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 40         | CI around mean                      | -0.00633           | 0.001      |
| 71D     | BCU | E001  | Barium, total                  | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.0634             | 0.0820     |
| 71D     | BCU | E001  | Beryllium, total               | mg/L  | 04/01/21 - 06/20/23 | 5            | 80         | CI around median (Last Sample, n<7) | 0.0005             | 0.001      |
| 71D     | BCU | E001  | Boron, total                   | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.487              | 0.430      |
| 71D     | BCU | E001  | Cadmium, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.002              | 0.001      |
| 71D     | BCU | E001  | Chloride, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 124                | 20.4       |
| 71D     | BCU | E001  | Chromium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000681           | 0.00400    |
| 71D     | BCU | E001  | Cobalt, total                  | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000372           | 0.0900     |
| 71D     | BCU | E001  | Fluoride, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.427              | 0.430      |
| 71D     | BCU | E001  | Lead, total                    | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around geomean                   | 0.000428           | 0.001      |
| 71D     | BCU | E001  | Lithium, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 0.0156             | 0.0300     |
| 71D     | BCU | E001  | Mercury, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.0002             | 0.0002     |
| 71D     | BCU | E001  | Molybdenum, total              | mg/L  | 04/01/21 - 06/20/23 | 5            | 20         | CI around mean                      | 0.00646            | 0.00400    |
| 71D     | BCU | E001  | pH (field)                     | SU    | 04/01/21 - 06/20/23 | 4            | 0          | CI around mean                      | 6.4/7.9            | 6.3/7.8    |
| 71D     | BCU | E001  | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | -0.807             | 7.00       |
| 71D     | BCU | E001  | Selenium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 80         | CI around median (Last Sample, n<7) | 0.001              | 0.001      |
| 71D     | BCU | E001  | Sulfate, total                 | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 34.8               | 338        |
| 71D     | BCU | E001  | Thallium, total                | mg/L  | 04/01/21 - 06/20/23 | 5            | 100        | All ND - Last                       | 0.002              | 0.002      |
| 71D     | BCU | E001  | Total Dissolved Solids         | mg/L  | 04/01/21 - 06/20/23 | 5            | 0          | CI around mean                      | 639                | 1,080      |



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023**

845 QUARTERLY REPORT  
VERMILION POWER PLANT  
NEW EAST ASH POND  
OAKWOOD, IL

**Notes:**

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

HSU = hydrostratigraphic unit:

BCU = Bedrock Confining Unit

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

CB around 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

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