



Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, IL 62234

October 16, 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: Coffeen Power Plant GMF Recycle Pond; IEPA ID # W1350150004-04

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.610(b)(3)(D), Illinois Power Generating Company (IPGC) is submitting groundwater monitoring data for the Quarter 2, 2023 sampling event at the Coffeen Power Plant Gypsum Management Facility (GMF) Recycle Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-04. 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 GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16). As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for the detected exceedances of the GWPSs 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, GMF Recycle Pond, Coffeen Power Plant, Coffeen, Illinois

**35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2, 2023
GMF RECYCLE POND, COFFEEN POWER PLANT, COFFEEN, ILLINOIS**

October 16, 2023

Samples were collected on June 1, June 5 through 6, and June 8, 2023 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on August 17, 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.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 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 GWPSs and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency (IEPA) within 60 days of this transmittal.

TABLES

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

FIGURES

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

ATTACHMENTS

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

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. GMF Recycle Pond. Coffeen Power Plant. Coffeen, Illinois. October 25, 2021.*

TABLES

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G270 | Background | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Arsenic, total | 0.00110 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Barium, total | 0.0640 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Boron, total | 0.0140 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Calcium, total | 57.0 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Chloride, total | 8.30 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Cobalt, total | 0.00064 J | mg/L |
| G270 | Background | E001 | 06/08/2023 | Dissolved Oxygen | 11.0 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Fluoride, total | 0.298 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Lead, total | 0.00051 J | mg/L |
| G270 | Background | E001 | 06/08/2023 | Lithium, total | 0.005 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Molybdenum, total | 0.00120 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Oxidation Reduction Potential | 61.0 | mV |
| G270 | Background | E001 | 06/08/2023 | pH (field) | 6.6 | SU |
| G270 | Background | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 0.485 | pCi/L |
| G270 | Background | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 782 | micromhos/cm |
| G270 | Background | E001 | 06/08/2023 | Sulfate, total | 54.0 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Temperature | 14.6 | degrees C |
| G270 | Background | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G270 | Background | E001 | 06/08/2023 | Total Dissolved Solids | 500 | mg/L |
| G270 | Background | E001 | 06/08/2023 | Turbidity, field | 54.6 | NTU |
| G280 | Background | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Arsenic, total | 0.00077 J | mg/L |
| G280 | Background | E001 | 06/08/2023 | Barium, total | 0.0490 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Boron, total | 0.0200 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Calcium, total | 79.0 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Chloride, total | 71.0 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Cobalt, total | 0.00048 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Dissolved Oxygen | 2.00 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Fluoride, total | 0.339 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Lead, total | 0.00064 J | mg/L |
| G280 | Background | E001 | 06/08/2023 | Lithium, total | 0.005 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Molybdenum, total | 0.00097 J | mg/L |
| G280 | Background | E001 | 06/08/2023 | Oxidation Reduction Potential | 190 | mV |
| G280 | Background | E001 | 06/08/2023 | pH (field) | 7.3 | SU |
| G280 | Background | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 0.839 | pCi/L |
| G280 | Background | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G280 | Background | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 902 | micromhos/cm |
| G280 | Background | E001 | 06/08/2023 | Sulfate, total | 91.0 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Temperature | 15.4 | degrees C |
| G280 | Background | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G280 | Background | E001 | 06/08/2023 | Total Dissolved Solids | 590 | mg/L |
| G280 | Background | E001 | 06/08/2023 | Turbidity, field | 46.1 | NTU |
| G271 | Compliance | E001 | 06/06/2023 | Antimony, total | 0.00043 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Arsenic, total | 0.00069 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Barium, total | 0.0210 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Beryllium, total | 0.00059 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Boron, total | 0.540 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Cadmium, total | 0.00074 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Calcium, total | 110 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Chloride, total | 69.0 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Chromium, total | 0.0028 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Cobalt, total | 0.00048 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Dissolved Oxygen | 2.60 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Fluoride, total | 0.264 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Lead, total | 0.00042 J | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Lithium, total | 0.005 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Mercury, total | 0.00014 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Molybdenum, total | 0.00074 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Oxidation Reduction Potential | 137 | mV |
| G271 | Compliance | E001 | 06/06/2023 | pH (field) | 6.9 | SU |
| G271 | Compliance | E001 | 06/06/2023 | Radium 226 + Radium 228, total | 2.32 | pCi/L |
| G271 | Compliance | E001 | 06/06/2023 | Selenium, total | 0.00200 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Specific Conductance @ 25C (field) | 1,120 | micromhos/cm |
| G271 | Compliance | E001 | 06/06/2023 | Sulfate, total | 280 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Temperature | 17.1 | degrees C |
| G271 | Compliance | E001 | 06/06/2023 | Thallium, total | 0.00038 U | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Total Dissolved Solids | 850 | mg/L |
| G271 | Compliance | E001 | 06/06/2023 | Turbidity, field | 0 U | NTU |
| G273 | Compliance | E001 | 06/05/2023 | Antimony, total | 0.00043 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Arsenic, total | 0.00069 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Barium, total | 0.0320 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Beryllium, total | 0.00059 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Boron, total | 0.0350 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Cadmium, total | 0.00074 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Calcium, total | 160 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Chloride, total | 73.0 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Chromium, total | 0.0028 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Cobalt, total | 0.00048 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Dissolved Oxygen | 1.40 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Fluoride, total | 0.254 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Lead, total | 0.00022 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Lithium, total | 0.005 U | mg/L |

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| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G273 | Compliance | E001 | 06/05/2023 | Mercury, total | 0.00014 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Molybdenum, total | 0.00076 J | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Oxidation Reduction Potential | 180 | mV |
| G273 | Compliance | E001 | 06/05/2023 | pH (field) | 6.6 | SU |
| G273 | Compliance | E001 | 06/05/2023 | Radium 226 + Radium 228, total | 0.248 | pCi/L |
| G273 | Compliance | E001 | 06/05/2023 | Selenium, total | 0.00074 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Specific Conductance @ 25C (field) | 1,460 | micromhos/cm |
| G273 | Compliance | E001 | 06/05/2023 | Sulfate, total | 470 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Temperature | 18.0 | degrees C |
| G273 | Compliance | E001 | 06/05/2023 | Thallium, total | 0.00038 U | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Total Dissolved Solids | 1,100 | mg/L |
| G273 | Compliance | E001 | 06/05/2023 | Turbidity, field | 55.6 | NTU |
| G275 | Compliance | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Arsenic, total | 0.00069 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Barium, total | 0.0240 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Boron, total | 2.20 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Calcium, total | 160 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Chloride, total | 24.0 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Cobalt, total | 0.00048 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Dissolved Oxygen | 1.20 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Fluoride, total | 0.310 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Lead, total | 0.0004 J | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Lithium, total | 0.0075 J | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Mercury, total | 0.00015 J | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Molybdenum, total | 0.00074 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Oxidation Reduction Potential | 170 | mV |
| G275 | Compliance | E001 | 06/08/2023 | pH (field) | 7.0 | SU |
| G275 | Compliance | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 0.0751 | pCi/L |
| G275 | Compliance | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 1,431 | micromhos/cm |
| G275 | Compliance | E001 | 06/08/2023 | Sulfate, total | 440 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Temperature | 16.7 | degrees C |
| G275 | Compliance | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Total Dissolved Solids | 1,100 | mg/L |
| G275 | Compliance | E001 | 06/08/2023 | Turbidity, field | 0.170 | NTU |
| G275D | Compliance | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Arsenic, total | 0.0170 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Barium, total | 0.450 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Boron, total | 0.180 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Calcium, total | 150 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Chloride, total | 23.0 | mg/L |

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

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 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G275D | Compliance | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Cobalt, total | 0.00066 J | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Dissolved Oxygen | 0.180 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Fluoride, total | 0.392 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Lead, total | 0.00022 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Lithium, total | 0.005 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Molybdenum, total | 0.00360 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Oxidation Reduction Potential | -116 | mV |
| G275D | Compliance | E001 | 06/08/2023 | pH (field) | 7.3 | SU |
| G275D | Compliance | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 1.34 | pCi/L |
| G275D | Compliance | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 1,560 | micromhos/cm |
| G275D | Compliance | E001 | 06/08/2023 | Sulfate, total | 99.0 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Temperature | 17.0 | degrees C |
| G275D | Compliance | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Total Dissolved Solids | 980 | mg/L |
| G275D | Compliance | E001 | 06/08/2023 | Turbidity, field | 83.3 | NTU |
| G276 | Compliance | E001 | 06/05/2023 | Antimony, total | 0.00043 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Arsenic, total | 0.00069 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Barium, total | 0.0460 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Beryllium, total | 0.00059 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Boron, total | 0.0160 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Cadmium, total | 0.00074 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Calcium, total | 130 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Chloride, total | 24.0 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Chromium, total | 0.0028 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Cobalt, total | 0.00048 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Dissolved Oxygen | 5.20 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Fluoride, total | 0.290 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Lead, total | 0.00022 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Lithium, total | 0.0084 J | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Mercury, total | 0.00014 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Molybdenum, total | 0.00074 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Oxidation Reduction Potential | 222 | mV |
| G276 | Compliance | E001 | 06/05/2023 | pH (field) | 6.5 | SU |
| G276 | Compliance | E001 | 06/05/2023 | Radium 226 + Radium 228, total | 0.966 | pCi/L |
| G276 | Compliance | E001 | 06/05/2023 | Selenium, total | 0.00074 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Specific Conductance @ 25C (field) | 1,210 | micromhos/cm |
| G276 | Compliance | E001 | 06/05/2023 | Sulfate, total | 260 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Temperature | 19.0 | degrees C |
| G276 | Compliance | E001 | 06/05/2023 | Thallium, total | 0.00038 U | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Total Dissolved Solids | 860 | mg/L |
| G276 | Compliance | E001 | 06/05/2023 | Turbidity, field | 44.0 | NTU |
| G277 | Compliance | E001 | 06/01/2023 | Antimony, total | 0.00043 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Arsenic, total | 0.00100 | mg/L |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G277 | Compliance | E001 | 06/01/2023 | Barium, total | 0.0940 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Beryllium, total | 0.00059 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Boron, total | 0.190 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Cadmium, total | 0.00074 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Calcium, total | 240 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Chloride, total | 150 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Chromium, total | 0.0028 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Cobalt, total | 0.00048 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Dissolved Oxygen | 3.00 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Fluoride, total | 0.277 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Lead, total | 0.00022 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Lithium, total | 0.0069 J | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Mercury, total | 0.00014 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Molybdenum, total | 0.00074 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Oxidation Reduction Potential | 215 | mV |
| G277 | Compliance | E001 | 06/01/2023 | pH (field) | 6.6 | SU |
| G277 | Compliance | E001 | 06/01/2023 | Radium 226 + Radium 228, total | 1.05 J+ | pCi/L |
| G277 | Compliance | E001 | 06/01/2023 | Selenium, total | 0.00074 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Specific Conductance @ 25C (field) | 1,580 | micromhos/cm |
| G277 | Compliance | E001 | 06/01/2023 | Sulfate, total | 540 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Temperature | 16.5 | degrees C |
| G277 | Compliance | E001 | 06/01/2023 | Thallium, total | 0.00038 U | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Total Dissolved Solids | 1,600 | mg/L |
| G277 | Compliance | E001 | 06/01/2023 | Turbidity, field | 0 U | NTU |
| G279 | Compliance | E001 | 06/01/2023 | Antimony, total | 0.00043 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Arsenic, total | 0.00110 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Barium, total | 0.0430 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Beryllium, total | 0.00059 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Boron, total | 4.00 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Cadmium, total | 0.00074 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Calcium, total | 710 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Chloride, total | 490 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Chromium, total | 0.0028 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Cobalt, total | 0.00048 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Dissolved Oxygen | 1.40 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Fluoride, total | 0.322 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Lead, total | 0.00022 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Lithium, total | 0.017 J | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Mercury, total | 0.00018 J | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Molybdenum, total | 0.00074 J | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Oxidation Reduction Potential | 223 | mV |
| G279 | Compliance | E001 | 06/01/2023 | pH (field) | 6.6 | SU |
| G279 | Compliance | E001 | 06/01/2023 | Radium 226 + Radium 228, total | 0.107 | pCi/L |
| G279 | Compliance | E001 | 06/01/2023 | Selenium, total | 0.00680 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Specific Conductance @ 25C (field) | 4,610 | micromhos/cm |
| G279 | Compliance | E001 | 06/01/2023 | Sulfate, total | 2,900 | mg/L |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G279 | Compliance | E001 | 06/01/2023 | Temperature | 18.3 | degrees C |
| G279 | Compliance | E001 | 06/01/2023 | Thallium, total | 0.00038 U | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Total Dissolved Solids | 6,000 | mg/L |
| G279 | Compliance | E001 | 06/01/2023 | Turbidity, field | 0 U | NTU |
| G283 | Compliance | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Arsenic, total | 0.00110 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Barium, total | 0.160 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Boron, total | 0.0540 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Calcium, total | 140 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Chloride, total | 36.0 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Cobalt, total | 0.00048 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Dissolved Oxygen | 0.360 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Fluoride, total | 0.307 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Lead, total | 0.00039 J | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Lithium, total | 0.0067 J | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Molybdenum, total | 0.00190 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Oxidation Reduction Potential | -53.5 | mV |
| G283 | Compliance | E001 | 06/08/2023 | pH (field) | 7.1 | SU |
| G283 | Compliance | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 2.88 | pCi/L |
| G283 | Compliance | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 1,301 | micromhos/cm |
| G283 | Compliance | E001 | 06/08/2023 | Sulfate, total | 250 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Temperature | 14.5 | degrees C |
| G283 | Compliance | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Total Dissolved Solids | 930 | mg/L |
| G283 | Compliance | E001 | 06/08/2023 | Turbidity, field | 160 | NTU |
| G284 | Compliance | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Arsenic, total | 0.00100 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Barium, total | 0.0690 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Boron, total | 0.0500 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Calcium, total | 73.0 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Chloride, total | 42.0 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Chromium, total | 0.0029 J | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Cobalt, total | 0.00048 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Dissolved Oxygen | 2.10 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Fluoride, total | 0.510 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Lead, total | 0.00041 J | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Lithium, total | 0.0063 J | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Molybdenum, total | 0.00370 | mg/L |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---------|------------|-------|------------|------------------------------------|-----------|--------------|
| G284 | Compliance | E001 | 06/08/2023 | Oxidation Reduction Potential | 112 | mV |
| G284 | Compliance | E001 | 06/08/2023 | pH (field) | 7.2 | SU |
| G284 | Compliance | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 1.01 | pCi/L |
| G284 | Compliance | E001 | 06/08/2023 | Selenium, total | 0.00120 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 851 | micromhos/cm |
| G284 | Compliance | E001 | 06/08/2023 | Sulfate, total | 71.0 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Temperature | 16.7 | degrees C |
| G284 | Compliance | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Total Dissolved Solids | 520 | mg/L |
| G284 | Compliance | E001 | 06/08/2023 | Turbidity, field | 143 | NTU |
| G285 | Compliance | E001 | 06/08/2023 | Antimony, total | 0.00043 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Arsenic, total | 0.00077 J | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Barium, total | 0.0430 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Beryllium, total | 0.00059 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Boron, total | 0.0990 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Cadmium, total | 0.00074 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Calcium, total | 270 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Chloride, total | 25.0 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Chromium, total | 0.0028 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Cobalt, total | 0.00290 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Dissolved Oxygen | 0.350 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Fluoride, total | 0.334 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Lead, total | 0.00026 J | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Lithium, total | 0.005 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Mercury, total | 0.00014 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Molybdenum, total | 0.00380 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Oxidation Reduction Potential | 50.6 | mV |
| G285 | Compliance | E001 | 06/08/2023 | pH (field) | 6.8 | SU |
| G285 | Compliance | E001 | 06/08/2023 | Radium 226 + Radium 228, total | 3.10 | pCi/L |
| G285 | Compliance | E001 | 06/08/2023 | Selenium, total | 0.00074 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Specific Conductance @ 25C (field) | 2,155 | micromhos/cm |
| G285 | Compliance | E001 | 06/08/2023 | Sulfate, total | 640 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Temperature | 15.6 | degrees C |
| G285 | Compliance | E001 | 06/08/2023 | Thallium, total | 0.00038 U | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Total Dissolved Solids | 1,700 | mg/L |
| G285 | Compliance | E001 | 06/08/2023 | Turbidity, field | 88.6 | NTU |

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

845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Notes:

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

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

J+ = The result is an estimated quantity, but the result may be biased 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
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G271 | UA | E001 | Antimony, total | mg/L | 11/23/15 - 06/06/23 | 22 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G271 | UA | E001 | Arsenic, total | mg/L | 11/23/15 - 06/06/23 | 24 | 76 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G271 | UA | E001 | Barium, total | mg/L | 11/23/15 - 06/06/23 | 25 | 0 | CB around T-S line | 0.0146 | 2.0 | Standard | No Exceedance |
| G271 | UA | E001 | Beryllium, total | mg/L | 11/23/15 - 06/06/23 | 22 | 97 | CI around median | 0.001 | 0.004 | Standard | No Exceedance |
| G271 | UA | E001 | Boron, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CI around geomean | 0.683 | 2 | Standard | No Exceedance |
| G271 | UA | E001 | Cadmium, total | mg/L | 11/23/15 - 06/06/23 | 22 | 98 | CI around median | 0.001 | 0.005 | Standard | No Exceedance |
| G271 | UA | E001 | Chloride, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CB around linear reg | 47 | 200 | Standard | No Exceedance |
| G271 | UA | E001 | Chromium, total | mg/L | 11/23/15 - 06/06/23 | 24 | 83 | CI around median | 0.004 | 0.1 | Standard | No Exceedance |
| G271 | UA | E001 | Cobalt, total | mg/L | 11/23/15 - 06/06/23 | 24 | 86 | CI around median | 0.002 | 0.006 | Standard | No Exceedance |
| G271 | UA | E001 | Fluoride, total | mg/L | 11/23/15 - 06/06/23 | 26 | 8 | CI around mean | 0.32 | 4.0 | Standard | No Exceedance |
| G271 | UA | E001 | Lead, total | mg/L | 11/23/15 - 06/06/23 | 25 | 63 | CI around median | 0.001 | 0.0120 | Background | No Exceedance |
| G271 | UA | E001 | Lithium, total | mg/L | 11/23/15 - 06/06/23 | 20 | 100 | All ND - Last | 0.02 | 0.04 | Standard | No Exceedance |
| G271 | UA | E001 | Mercury, total | mg/L | 11/23/15 - 06/06/23 | 22 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G271 | UA | E001 | Molybdenum, total | mg/L | 11/23/15 - 06/06/23 | 25 | 67 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| G271 | UA | E001 | pH (field) | SU | 11/23/15 - 06/06/23 | 28 | 0 | CI around mean | 7.1/7.3 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G271 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/23/15 - 06/06/23 | 20 | 0 | CI around geomean | 0.352 | 5 | Standard | No Exceedance |
| G271 | UA | E001 | Selenium, total | mg/L | 11/23/15 - 06/06/23 | 24 | 6 | CI around mean | 0.0016 | 0.05 | Standard | No Exceedance |
| G271 | UA | E001 | Sulfate, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CB around linear reg | 205 | 400 | Standard | No Exceedance |
| G271 | UA | E001 | Thallium, total | mg/L | 11/23/15 - 06/06/23 | 23 | 97 | CI around median | 0.001 | 0.002 | Standard | No Exceedance |
| G271 | UA | E001 | Total Dissolved Solids | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CI around mean | 816 | 1,200 | Standard | No Exceedance |
| G273 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G273 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/05/23 | 25 | 86 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G273 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 0 | CI around median | 0.028 | 2.0 | Standard | No Exceedance |
| G273 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G273 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/05/23 | 26 | 6 | CB around T-S line | -0.0843 | 2 | Standard | No Exceedance |
| G273 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 98 | CI around median | 0.001 | 0.005 | Standard | No Exceedance |
| G273 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around T-S line | 69.9 | 200 | Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G273 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/05/23 | 24 | 100 | All ND - Last | 0.004 | 0.1 | Standard | No Exceedance |
| G273 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/05/23 | 24 | 97 | CI around median | 0.002 | 0.006 | Standard | No Exceedance |
| G273 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 18 | CI around mean | 0.296 | 4.0 | Standard | No Exceedance |
| G273 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/05/23 | 25 | 90 | CI around median | 0.001 | 0.0120 | Background | No Exceedance |
| G273 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/05/23 | 20 | 90 | CB around T-S line | 0.01 | 0.04 | Standard | No Exceedance |
| G273 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G273 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/05/23 | 25 | 89 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| G273 | UA | E001 | pH (field) | SU | 11/24/15 - 06/05/23 | 28 | 0 | CI around mean | 7.0/7.2 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G273 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/05/23 | 20 | 0 | CB around linear reg | -0.541 | 5 | Standard | No Exceedance |
| G273 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 95 | CI around median | 0.001 | 0.05 | Standard | No Exceedance |
| G273 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CI around median | 410 | 400 | Standard | Exceedance |
| G273 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/05/23 | 23 | 94 | CI around median | 0.001 | 0.002 | Standard | No Exceedance |
| G273 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around linear reg | 1,010 | 1,200 | Standard | No Exceedance |
| G275 | UA | E001 | Antimony, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G275 | UA | E001 | Arsenic, total | mg/L | 10/14/20 - 06/08/23 | 9 | 55 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G275 | UA | E001 | Barium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around median | 0.024 | 2.0 | Standard | No Exceedance |
| G275 | UA | E001 | Beryllium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G275 | UA | E001 | Boron, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 1.29 | 2 | Standard | No Exceedance |
| G275 | UA | E001 | Cadmium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G275 | UA | E001 | Chloride, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 18.1 | 200 | Standard | No Exceedance |
| G275 | UA | E001 | Chromium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 94 | Most recent sample | 0.004 | 0.1 | Standard | No Exceedance |
| G275 | UA | E001 | Cobalt, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.006 | Standard | No Exceedance |
| G275 | UA | E001 | Fluoride, total | mg/L | 10/14/20 - 06/08/23 | 9 | 11 | CI around mean | 0.251 | 4.0 | Standard | No Exceedance |
| G275 | UA | E001 | Lead, total | mg/L | 10/14/20 - 06/08/23 | 9 | 58 | Most recent sample | 0.001 | 0.0120 | Background | No Exceedance |
| G275 | UA | E001 | Lithium, total | mg/L | 06/08/23 - 06/08/23 | 1 | 100 | Most recent sample | 0.02 | 0.04 | Standard | No Exceedance |
| G275 | UA | E001 | Mercury, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G275 | UA | E001 | Molybdenum, total | mg/L | 10/14/20 - 06/08/23 | 9 | 90 | Most recent sample | 0.001 | 0.1 | Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------------------|--------------------|---------|-------------------|-------------------|
| G275 | UA | E001 | pH (field) | SU | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 6.9/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G275 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 06/08/23 - 06/08/23 | 1 | 0 | Most recent sample | 0.0751 | 5 | Standard | No Exceedance |
| G275 | UA | E001 | Selenium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 83 | Most recent sample | 0.001 | 0.05 | Standard | No Exceedance |
| G275 | UA | E001 | Sulfate, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CB around linear reg | 216 | 400 | Standard | No Exceedance |
| G275 | UA | E001 | Thallium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G275 | UA | E001 | Total Dissolved Solids | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 914 | 1,200 | Standard | No Exceedance |
| G275D | DA | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G275D | DA | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.00205 | 0.010 | Standard | No Exceedance |
| G275D | DA | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.292 | 2.0 | Standard | No Exceedance |
| G275D | DA | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G275D | DA | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.212 | 2 | Standard | No Exceedance |
| G275D | DA | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G275D | DA | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 23.5 | 200 | Standard | No Exceedance |
| G275D | DA | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 83 | CI around median (Last Sample, n<7) | 0.004 | 0.1 | Standard | No Exceedance |
| G275D | DA | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 6 | 50 | CI around mean | 0.00138 | 0.006 | Standard | No Exceedance |
| G275D | DA | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.35 | 4.0 | Standard | No Exceedance |
| G275D | DA | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 6 | 83 | CI around median (Last Sample, n<7) | 0.001 | 0.0120 | Background | No Exceedance |
| G275D | DA | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.02 | 0.04 | Standard | No Exceedance |
| G275D | DA | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G275D | DA | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.00904 | 0.1 | Standard | No Exceedance |
| G275D | DA | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 7.0/7.3 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G275D | DA | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 7 | 0 | CI around mean | 0.245 | 5 | Standard | No Exceedance |
| G275D | DA | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.05 | Standard | No Exceedance |
| G275D | DA | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 135 | 400 | Standard | No Exceedance |
| G275D | DA | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G275D | DA | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 905 | 1,200 | Standard | No Exceedance |
| G276 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G276 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/05/23 | 25 | 85 | Most recent sample | 0.001 | 0.010 | Standard | No Exceedance |
| G276 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 0 | CB around linear reg | 0.0373 | 2.0 | Standard | No Exceedance |
| G276 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 94 | Most recent sample | 0.001 | 0.004 | Standard | No Exceedance |
| G276 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/05/23 | 26 | 10 | CI around geomean | 0.0168 | 2 | Standard | No Exceedance |
| G276 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G276 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CI around mean | 22.3 | 200 | Standard | No Exceedance |
| G276 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/05/23 | 24 | 91 | Most recent sample | 0.004 | 0.1 | Standard | No Exceedance |
| G276 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/05/23 | 24 | 97 | Most recent sample | 0.002 | 0.006 | Standard | No Exceedance |
| G276 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 6 | CI around median | 0.345 | 4.0 | Standard | No Exceedance |
| G276 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/05/23 | 25 | 79 | CI around median | 0.001 | 0.0120 | Background | No Exceedance |
| G276 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/05/23 | 20 | 50 | CB around linear reg | 0.0185 | 0.04 | Standard | No Exceedance |
| G276 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G276 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/05/23 | 25 | 81 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| G276 | UA | E001 | pH (field) | SU | 11/24/15 - 06/05/23 | 27 | 0 | CB around linear reg | 6.7/7.0 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G276 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/05/23 | 20 | 0 | CI around geomean | 0.305 | 5 | Standard | No Exceedance |
| G276 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 31 | CB around linear reg | 0.000805 | 0.05 | Standard | No Exceedance |
| G276 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around linear reg | 256 | 400 | Standard | No Exceedance |
| G276 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/05/23 | 23 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G276 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around T-S line | 820 | 1,200 | Standard | No Exceedance |
| G277 | UA | E001 | Antimony, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G277 | UA | E001 | Arsenic, total | mg/L | 10/14/20 - 06/01/23 | 10 | 57 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G277 | UA | E001 | Barium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 0.08 | 2.0 | Standard | No Exceedance |
| G277 | UA | E001 | Beryllium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 88 | Most recent sample | 0.001 | 0.004 | Standard | No Exceedance |
| G277 | UA | E001 | Boron, total | mg/L | 10/14/20 - 06/01/23 | 10 | 14 | CB around linear reg | 0.111 | 2 | Standard | No Exceedance |
| G277 | UA | E001 | Cadmium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G277 | UA | E001 | Chloride, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 58.1 | 200 | Standard | No Exceedance |
| G277 | UA | E001 | Chromium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 59 | CI around median | 0.004 | 0.1 | Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G277 | UA | E001 | Cobalt, total | mg/L | 10/14/20 - 06/01/23 | 10 | 76 | Most recent sample | 0.002 | 0.006 | Standard | No Exceedance |
| G277 | UA | E001 | Fluoride, total | mg/L | 10/14/20 - 06/01/23 | 10 | 12 | CI around median | 0.125 | 4.0 | Standard | No Exceedance |
| G277 | UA | E001 | Lead, total | mg/L | 10/14/20 - 06/01/23 | 10 | 54 | CI around median | 0.001 | 0.0120 | Background | No Exceedance |
| G277 | UA | E001 | Lithium, total | mg/L | 06/01/23 - 06/01/23 | 1 | 100 | Most recent sample | 0.02 | 0.04 | Standard | No Exceedance |
| G277 | UA | E001 | Mercury, total | mg/L | 10/14/20 - 06/01/23 | 10 | 94 | Most recent sample | 0.0002 | 0.002 | Standard | No Exceedance |
| G277 | UA | E001 | Molybdenum, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.1 | Standard | No Exceedance |
| G277 | UA | E001 | pH (field) | SU | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 6.7/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G277 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 06/01/23 - 06/01/23 | 1 | 0 | Most recent sample | 1.05 | 5 | Standard | No Exceedance |
| G277 | UA | E001 | Selenium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 59 | CI around median | 0.001 | 0.05 | Standard | No Exceedance |
| G277 | UA | E001 | Sulfate, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 262 | 400 | Standard | No Exceedance |
| G277 | UA | E001 | Thallium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G277 | UA | E001 | Total Dissolved Solids | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 889 | 1,200 | Standard | No Exceedance |
| G279 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G279 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/01/23 | 26 | 79 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G279 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 0 | CB around linear reg | 0.0285 | 2.0 | Standard | No Exceedance |
| G279 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G279 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/01/23 | 27 | 21 | CI around geomean | 0.113 | 2 | Standard | No Exceedance |
| G279 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G279 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around median | 61 | 200 | Standard | No Exceedance |
| G279 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/01/23 | 25 | 89 | CI around median | 0.004 | 0.1 | Standard | No Exceedance |
| G279 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/01/23 | 25 | 86 | CI around median | 0.002 | 0.006 | Standard | No Exceedance |
| G279 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/01/23 | 27 | 8 | CI around mean | 0.337 | 4.0 | Standard | No Exceedance |
| G279 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/01/23 | 26 | 83 | CI around median | 0.001 | 0.0120 | Background | No Exceedance |
| G279 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 77 | CB around T-S line | 0.0169 | 0.04 | Standard | No Exceedance |
| G279 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/01/23 | 23 | 97 | Most recent sample | 0.0002 | 0.002 | Standard | No Exceedance |
| G279 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/01/23 | 26 | 86 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| G279 | UA | E001 | pH (field) | SU | 11/24/15 - 06/01/23 | 27 | 0 | CB around linear reg | 6.5/6.8 | 6.5/9.0 | Standard/Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G279 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/01/23 | 26 | 0 | CI around mean | 0.654 | 5 | Standard | No Exceedance |
| G279 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 21 | CB around linear reg | -0.00349 | 0.05 | Standard | No Exceedance |
| G279 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around geomean | 368 | 400 | Standard | No Exceedance |
| G279 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/01/23 | 24 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G279 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around geomean | 1,080 | 1,200 | Standard | No Exceedance |
| G283 | LCU | E001 | Antimony, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G283 | LCU | E001 | Arsenic, total | mg/L | 03/31/21 - 06/08/23 | 9 | 44 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G283 | LCU | E001 | Barium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around median | 0.16 | 2.0 | Standard | No Exceedance |
| G283 | LCU | E001 | Beryllium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G283 | LCU | E001 | Boron, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0349 | 2 | Standard | No Exceedance |
| G283 | LCU | E001 | Cadmium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G283 | LCU | E001 | Chloride, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 36.9 | 200 | Standard | No Exceedance |
| G283 | LCU | E001 | Chromium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.1 | Standard | No Exceedance |
| G283 | LCU | E001 | Cobalt, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.006 | Standard | No Exceedance |
| G283 | LCU | E001 | Fluoride, total | mg/L | 03/31/21 - 06/08/23 | 9 | 22 | CI around mean | 0.279 | 4.0 | Standard | No Exceedance |
| G283 | LCU | E001 | Lead, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 | Background | No Exceedance |
| G283 | LCU | E001 | Lithium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.04 | Standard | No Exceedance |
| G283 | LCU | E001 | Mercury, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G283 | LCU | E001 | Molybdenum, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around geomean | 0.00152 | 0.1 | Standard | No Exceedance |
| G283 | LCU | E001 | pH (field) | SU | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 7.0/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G283 | LCU | E001 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 0.374 | 5 | Standard | No Exceedance |
| G283 | LCU | E001 | Selenium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.05 | Standard | No Exceedance |
| G283 | LCU | E001 | Sulfate, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 237 | 400 | Standard | No Exceedance |
| G283 | LCU | E001 | Thallium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G283 | LCU | E001 | Total Dissolved Solids | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 768 | 1,200 | Standard | No Exceedance |
| G284 | UA | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G284 | UA | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | Most recent sample | 0.001 | 0.010 | Standard | No Exceedance |

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G284 | UA | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0624 | 2.0 | Standard | No Exceedance |
| G284 | UA | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G284 | UA | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0392 | 2 | Standard | No Exceedance |
| G284 | UA | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G284 | UA | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 38.3 | 200 | Standard | No Exceedance |
| G284 | UA | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.1 | Standard | No Exceedance |
| G284 | UA | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.006 | Standard | No Exceedance |
| G284 | UA | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.467 | 4.0 | Standard | No Exceedance |
| G284 | UA | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 | Background | No Exceedance |
| G284 | UA | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.04 | Standard | No Exceedance |
| G284 | UA | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| G284 | UA | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 9 | 44 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| G284 | UA | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 7.1/7.3 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G284 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 0.0677 | 5 | Standard | No Exceedance |
| G284 | UA | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.001 | 0.05 | Standard | No Exceedance |
| G284 | UA | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 60.9 | 400 | Standard | No Exceedance |
| G284 | UA | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.002 | Standard | No Exceedance |
| G284 | UA | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 440 | 1,200 | Standard | No Exceedance |
| G285 | LCU | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| G285 | LCU | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 9 | 56 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| G285 | LCU | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | 0.0104 | 2.0 | Standard | No Exceedance |
| G285 | LCU | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| G285 | LCU | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.107 | 2 | Standard | No Exceedance |
| G285 | LCU | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.005 | Standard | No Exceedance |
| G285 | LCU | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | -9.54 | 200 | Standard | No Exceedance |
| G285 | LCU | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.1 | Standard | No Exceedance |
| G285 | LCU | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 9 | 22 | CB around linear reg | -0.000507 | 0.006 | Standard | No Exceedance |

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 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|---------|-------------------|-------------------|
| G285 | LCU | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 33 | CI around mean | 0.263 | 4.0 | Standard | No Exceedance |
| G285 | LCU | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 | Background | No Exceedance |
| G285 | LCU | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.04 | Standard | No Exceedance |
| G285 | LCU | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.0002 | 0.002 | Standard | No Exceedance |
| G285 | LCU | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | -0.000793 | 0.1 | Standard | No Exceedance |
| G285 | LCU | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 9 | 0 | CI around median | 6.8/6.9 | 6.5/9.0 | Standard/Standard | No Exceedance |
| G285 | LCU | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 1.18 | 5 | Standard | No Exceedance |
| G285 | LCU | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.05 | Standard | No Exceedance |
| G285 | LCU | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 535 | 400 | Standard | Exceedance |
| G285 | LCU | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.001 | 0.002 | Standard | No Exceedance |
| G285 | LCU | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 1,430 | 1,200 | Standard | Exceedance |

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

845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

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



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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



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

FIGURE 1

GMF RECYCLE POND
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

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

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

845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | Well Type | Date | Depth to Groundwater (feet BMP) | Groundwater Elevation (feet NAVD88) |
|---------|-------------|------------|------------------------------------|--|
| G270 | Background | 05/30/2023 | 5.06 | 620.79 |
| G271 | Compliance | 05/30/2023 | 9.28 | 616.28 |
| G273 | Compliance | 05/30/2023 | 10.41 | 612.60 |
| G275 | Compliance | 05/30/2023 | 13.38 | 604.88 |
| G275D | Compliance | 06/08/2023 | [41.89] | [578.42] |
| G276 | Compliance | 05/30/2023 | 26.60 | 605.39 |
| G277 | Compliance | 05/30/2023 | 18.21 | 604.87 |
| G279 | Compliance | 05/30/2023 | 22.73 | 609.31 |
| G280 | Background | 05/30/2023 | 3.96 | 621.38 |
| G283 | Compliance | 05/30/2023 | 5.60 | 605.14 |
| G284 | Compliance | 05/30/2023 | 12.43 | 605.98 |
| G285 | Compliance | 05/30/2023 | 6.71 | 606.80 |
| X201 | Water Level | 05/30/2023 | 38.15 | 580.32 |
| SG-04 | Water Level | 05/30/2023 | 6.41 | 593.11 |

Notes:

Only wells with groundwater elevations measured are included.

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**

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

July 25, 2023

Brian Voelker
Vistra - Coffeen
1500 Eastport Plaza Drive
Collinsville, IL 62234

Dear Brian Voelker:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Gail Schindler

Gail Schindler
Project Manager
(309) 692-9688 x1716
gail.schindler@pacelabs.com

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF00140

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF00908

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF01285

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| YES | Case narrative provided |

Work Order GF01654

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| YES | Case narrative provided |

Case Narrative

X201 - surface pond grab, no depth to water measurement.

G286, G287, G288, MW20S - depth to water measurements not collected, overlooked by field samplers.

ANALYTICAL RESULTS

Sample: GF00140-31
Name: G279
Matrix: Ground Water - Grab

Sampled: 06/01/23 12:07
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|-------------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 490 | mg/L | Q4 | 06/02/23 13:33 | 100 | 100 | 06/02/23 13:33 | LAM | EPA 300.0 REV 2.1 |
| Sulfate | 2900 | mg/L | | 06/05/23 22:02 | 500 | 500 | 06/05/23 22:02 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 23 | Feet | | 06/01/23 12:07 | 1 | | 06/01/23 12:07 | FIELD | Field* |
| Dissolved oxygen, Field | 1.4 | mg/L | | 06/01/23 12:07 | 1 | | 06/01/23 12:07 | FIELD | Field* |
| Oxidation Reduction Potential | 223 | mV | | 06/01/23 12:07 | 1 | -500 | 06/01/23 12:07 | FIELD | Field* |
| pH, Field Measured | 6.62 | pH Units | | 06/01/23 12:07 | 1 | | 06/01/23 12:07 | FIELD | Field* |
| Specific Conductance, Field Measured | 4610 | umhos/cm | | 06/01/23 12:07 | 1 | | 06/01/23 12:07 | FIELD | Field* |
| Temperature, Field Measured | 18.3 | °C | | 06/01/23 12:07 | 1 | | 06/01/23 12:07 | FIELD | Field* |
| Turbidity, Field Measured | < 0.00 | NTU | | 06/01/23 12:07 | 1 | 0.00 | 06/01/23 12:07 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 340 | mg/L | | 06/12/23 10:31 | 1 | 10 | 06/12/23 10:31 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/12/23 10:31 | 1 | 10 | 06/12/23 10:31 | CPS | SM 2320B 1997* |
| Fluoride | 0.322 | mg/L | | 06/07/23 12:53 | 1 | 0.250 | 06/07/23 12:53 | TTH | SM 4500F C 1997 |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 6000 | mg/L | | 06/02/23 15:56 | 1 | 26 | 06/02/23 15:56 | HRF/MK H | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/12/23 09:37 | 5 | 3.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Arsenic | 1.1 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Barium | 43 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 17:04 | JMW | EPA 6020A |
| Boron | 4000 | ug/L | | 06/12/23 09:37 | 5 | 10 | 06/13/23 17:04 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Calcium | 710 | mg/L | | 06/12/23 09:37 | 100 | 4.0 | 06/13/23 15:31 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/12/23 09:37 | 5 | 4.0 | 06/13/23 17:04 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/12/23 09:37 | 5 | 2.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Magnesium | 450 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:04 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/12/23 09:37 | 5 | 0.20 | 06/13/23 12:54 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Potassium | 2.5 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:04 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF00140-31
Name: G279
Matrix: Ground Water - Grab

Sampled: 06/01/23 12:07
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | 6.8 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Sodium | 250 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:04 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:54 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/12/23 09:37 | 1 | 0.020 | 06/13/23 08:38 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF00140-32
Name: G277
Matrix: Ground Water - Grab

Sampled: 06/01/23 10:27
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|-------------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 150 | mg/L | | 06/02/23 17:10 | 100 | 100 | 06/02/23 17:10 | LAM | EPA 300.0 REV 2.1 |
| Sulfate | 540 | mg/L | | 06/02/23 17:10 | 100 | 100 | 06/02/23 17:10 | LAM | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 18.35 | Feet | | 06/01/23 10:27 | 1 | | 06/01/23 10:27 | FIELD | Field* |
| Dissolved oxygen, Field | 3.0 | mg/L | | 06/01/23 10:27 | 1 | | 06/01/23 10:27 | FIELD | Field* |
| Oxidation Reduction Potential | 215 | mV | | 06/01/23 10:27 | 1 | -500 | 06/01/23 10:27 | FIELD | Field* |
| pH, Field Measured | 6.58 | pH Units | | 06/01/23 10:27 | 1 | | 06/01/23 10:27 | FIELD | Field* |
| Specific Conductance, Field Measured | 1580 | umhos/cm | | 06/01/23 10:27 | 1 | | 06/01/23 10:27 | FIELD | Field* |
| Temperature, Field Measured | 16.5 | °C | | 06/01/23 10:27 | 1 | | 06/01/23 10:27 | FIELD | Field* |
| Turbidity, Field Measured | < 0.00 | NTU | | 06/01/23 10:27 | 1 | 0.00 | 06/01/23 10:27 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 380 | mg/L | | 06/12/23 10:31 | 1 | 10 | 06/12/23 10:31 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/12/23 10:31 | 1 | 10 | 06/12/23 10:31 | CPS | SM 2320B 1997* |
| Fluoride | 0.277 | mg/L | | 06/07/23 12:55 | 1 | 0.250 | 06/07/23 12:55 | TTH | SM 4500F C 1997 |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 1600 | mg/L | | 06/02/23 15:56 | 1 | 26 | 06/02/23 15:56 | HRF/MK H | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/12/23 09:37 | 5 | 3.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Arsenic | 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Barium | 94 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 17:08 | JMW | EPA 6020A |
| Boron | 190 | ug/L | | 06/12/23 09:37 | 5 | 10 | 06/13/23 17:08 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Calcium | 240 | mg/L | | 06/12/23 09:37 | 5 | 0.20 | 06/13/23 17:08 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/12/23 09:37 | 5 | 4.0 | 06/13/23 17:08 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/12/23 09:37 | 5 | 2.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Magnesium | 100 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:08 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/12/23 09:37 | 5 | 0.20 | 06/13/23 12:58 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Potassium | 0.79 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:08 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF00140-32
Name: G277
Matrix: Ground Water - Grab

Sampled: 06/01/23 10:27
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Sodium | 97 | mg/L | | 06/12/23 09:37 | 5 | 0.10 | 06/13/23 17:08 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/12/23 09:37 | 5 | 1.0 | 06/13/23 12:58 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/12/23 09:37 | 1 | 0.020 | 06/13/23 08:50 | TJJ | EPA 6010B |

Sample: GF00140-36
Name: SG-04
Matrix: Water

Sampled: 05/30/23 16:12
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Field - PIA

| | | | | | | | | | |
|-----------------------------|------|------|--|----------------|---|--|----------------|-------|--------|
| Depth, From Measuring Point | 6.41 | Feet | | 05/30/23 16:12 | 1 | | 05/30/23 16:12 | FIELD | Field* |
|-----------------------------|------|------|--|----------------|---|--|----------------|-------|--------|

ANALYTICAL RESULTS

Sample: GF00908-04
Name: G276
Matrix: Ground Water - Grab

Sampled: 06/05/23 16:53
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 24 | mg/L | | 06/06/23 18:38 | 5 | 5.0 | 06/06/23 18:38 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.290 | mg/L | | 06/06/23 18:17 | 1 | 0.250 | 06/06/23 18:17 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 260 | mg/L | | 06/06/23 18:59 | 50 | 50 | 06/06/23 18:59 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 26.84 | Feet | | 06/05/23 16:53 | 1 | | 06/05/23 16:53 | FIELD | Field* |
| Dissolved oxygen, Field | 5.2 | mg/L | | 06/05/23 16:53 | 1 | | 06/05/23 16:53 | FIELD | Field* |
| Oxidation Reduction Potential | 222 | mV | | 06/05/23 16:53 | 1 | -500 | 06/05/23 16:53 | FIELD | Field* |
| pH, Field Measured | 6.54 | pH Units | | 06/05/23 16:53 | 1 | | 06/05/23 16:53 | FIELD | Field* |
| Specific Conductance, Field Measured | 1210 | umhos/cm | | 06/05/23 16:53 | 1 | | 06/05/23 16:53 | FIELD | Field* |
| Temperature, Field Measured | 19.0 | °C | | 06/05/23 16:53 | 1 | | 06/05/23 16:53 | FIELD | Field* |
| Turbidity, Field Measured | 44.0 | NTU | | 06/05/23 16:53 | 1 | 0.00 | 06/05/23 16:53 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 510 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 2.0 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 860 | mg/L | | 06/07/23 11:24 | 1 | 26 | 06/07/23 11:24 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/13/23 09:07 | 5 | 3.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 10:58 | JMW | EPA 6020A |
| Barium | 46 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Boron | 16 | ug/L | | 06/13/23 09:07 | 5 | 10 | 06/16/23 15:16 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Calcium | 130 | mg/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 17:19 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/13/23 09:07 | 5 | 4.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/13/23 09:07 | 5 | 2.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 10:58 | JMW | EPA 6020A |
| Magnesium | 63 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/14/23 17:19 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 17:19 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Potassium | 0.42 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/16/23 15:16 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF00908-04
Name: G276
Matrix: Ground Water - Grab

Sampled: 06/05/23 16:53
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:19 | JMW | EPA 6020A |
| Sodium | 93 | mg/L | | 06/13/23 09:07 | 5 | 0.20 | 06/16/23 10:58 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 10:58 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/13/23 09:07 | 1 | 0.020 | 06/20/23 10:29 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF00908-05
Name: G273
Matrix: Ground Water - Grab

Sampled: 06/05/23 15:25
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 73 | mg/L | | 06/06/23 20:46 | 10 | 10 | 06/06/23 20:46 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.254 | mg/L | | 06/06/23 20:25 | 1 | 0.250 | 06/06/23 20:25 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 470 | mg/L | | 06/06/23 21:08 | 100 | 100 | 06/06/23 21:08 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 10.8 | Feet | | 06/05/23 15:25 | 1 | | 06/05/23 15:25 | FIELD | Field* |
| Dissolved oxygen, Field | 1.4 | mg/L | | 06/05/23 15:25 | 1 | | 06/05/23 15:25 | FIELD | Field* |
| Oxidation Reduction Potential | 180 | mV | | 06/05/23 15:25 | 1 | -500 | 06/05/23 15:25 | FIELD | Field* |
| pH, Field Measured | 6.57 | pH Units | | 06/05/23 15:25 | 1 | | 06/05/23 15:25 | FIELD | Field* |
| Specific Conductance, Field Measured | 1460 | umhos/cm | | 06/05/23 15:25 | 1 | | 06/05/23 15:25 | FIELD | Field* |
| Temperature, Field Measured | 18.0 | °C | | 06/05/23 15:25 | 1 | | 06/05/23 15:25 | FIELD | Field* |
| Turbidity, Field Measured | 55.6 | NTU | | 06/05/23 15:25 | 1 | 0.00 | 06/05/23 15:25 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 360 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 2.0 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 1100 | mg/L | | 06/07/23 11:24 | 1 | 26 | 06/07/23 11:24 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/13/23 09:07 | 5 | 3.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:02 | JMW | EPA 6020A |
| Barium | 32 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Boron | 35 | ug/L | | 06/13/23 09:07 | 5 | 10 | 06/16/23 15:19 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Calcium | 160 | mg/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 17:23 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/13/23 09:07 | 5 | 4.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/13/23 09:07 | 5 | 2.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:02 | JMW | EPA 6020A |
| Magnesium | 83 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/14/23 17:23 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 17:23 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Potassium | 0.39 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/16/23 15:19 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF00908-05
Name: G273
Matrix: Ground Water - Grab

Sampled: 06/05/23 15:25
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 17:23 | JMW | EPA 6020A |
| Sodium | 95 | mg/L | | 06/13/23 09:07 | 5 | 0.20 | 06/16/23 11:02 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:02 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/13/23 09:07 | 1 | 0.020 | 06/20/23 10:30 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF00908-14
Name: G271
Matrix: Ground Water - Grab

Sampled: 06/06/23 11:16
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 69 | mg/L | | 06/07/23 22:22 | 10 | 10 | 06/07/23 22:22 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.264 | mg/L | | 06/07/23 22:01 | 1 | 0.250 | 06/07/23 22:01 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 280 | mg/L | | 06/07/23 23:26 | 50 | 50 | 06/07/23 23:26 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 9.56 | Feet | | 06/06/23 11:16 | 1 | | 06/06/23 11:16 | FIELD | Field* |
| Dissolved oxygen, Field | 2.6 | mg/L | | 06/06/23 11:16 | 1 | | 06/06/23 11:16 | FIELD | Field* |
| Oxidation Reduction Potential | 137 | mV | | 06/06/23 11:16 | 1 | -500 | 06/06/23 11:16 | FIELD | Field* |
| pH, Field Measured | 6.94 | pH Units | | 06/06/23 11:16 | 1 | | 06/06/23 11:16 | FIELD | Field* |
| Specific Conductance, Field Measured | 1120 | umhos/cm | | 06/06/23 11:16 | 1 | | 06/06/23 11:16 | FIELD | Field* |
| Temperature, Field Measured | 17.1 | °C | | 06/06/23 11:16 | 1 | | 06/06/23 11:16 | FIELD | Field* |
| Turbidity, Field Measured | < 0.00 | NTU | | 06/06/23 11:16 | 1 | 0.00 | 06/06/23 11:16 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 300 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 2.0 | mg/L | | 06/14/23 09:59 | 1 | 2.0 | 06/14/23 09:59 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 850 | mg/L | | 06/07/23 11:24 | 1 | 26 | 06/07/23 11:24 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/13/23 09:07 | 5 | 3.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:44 | JMW | EPA 6020A |
| Barium | 21 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Boron | 540 | ug/L | | 06/13/23 09:07 | 5 | 10 | 06/20/23 11:28 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Calcium | 110 | mg/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 18:01 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/13/23 09:07 | 5 | 4.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/13/23 09:07 | 5 | 2.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:44 | JMW | EPA 6020A |
| Magnesium | 56 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/14/23 18:01 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/13/23 09:07 | 5 | 0.20 | 06/14/23 18:01 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Potassium | 0.27 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/16/23 15:52 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF00908-14
Name: G271
Matrix: Ground Water - Grab

Sampled: 06/06/23 11:16
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | 2.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/14/23 18:01 | JMW | EPA 6020A |
| Sodium | 78 | mg/L | | 06/13/23 09:07 | 5 | 0.10 | 06/16/23 15:52 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/13/23 09:07 | 5 | 1.0 | 06/16/23 11:44 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/13/23 09:07 | 1 | 0.020 | 06/20/23 10:36 | TJJ | EPA 6010B |

Sample: GF01285-13
Name: X201
Matrix: Ground Water - Grab

Sampled: 06/07/23 12:36
Received: 06/07/23 16:16
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Anions - PIA

| | | | | | | | | | |
|----------|-------|------|--|----------------|------|------|----------------|-----|-------------------|
| Chloride | 990 | mg/L | | 06/12/23 23:16 | 250 | 250 | 06/12/23 23:16 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 11000 | mg/L | | 06/08/23 23:59 | 2500 | 2500 | 06/08/23 23:59 | CRD | EPA 300.0 REV 2.1 |

Field - PIA

| | | | | | | | | | |
|--------------------------------------|-------|----------|--|----------------|---|------|----------------|-------|--------|
| Dissolved oxygen, Field | 5.2 | mg/L | | 06/07/23 12:36 | 1 | | 06/07/23 12:36 | FIELD | Field* |
| Oxidation Reduction Potential | 127 | mV | | 06/07/23 12:36 | 1 | -500 | 06/07/23 12:36 | FIELD | Field* |
| pH, Field Measured | 6.34 | pH Units | | 06/07/23 12:36 | 1 | | 06/07/23 12:36 | FIELD | Field* |
| Specific Conductance, Field Measured | 22400 | umhos/cm | | 06/07/23 12:36 | 1 | | 06/07/23 12:36 | FIELD | Field* |
| Temperature, Field Measured | 28.7 | °C | | 06/07/23 12:36 | 1 | | 06/07/23 12:36 | FIELD | Field* |
| Turbidity, Field Measured | 3.70 | NTU | | 06/07/23 12:36 | 1 | 0.00 | 06/07/23 12:36 | FIELD | Field* |

General Chemistry - PIA

| | | | | | | | | | |
|-----------------------------------|-------|------|--|----------------|---|-----|----------------|-----|----------------|
| Alkalinity - bicarbonate as CaCO3 | < 2.0 | mg/L | | 06/15/23 17:11 | 1 | 2.0 | 06/15/23 17:11 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 2.0 | mg/L | | 06/15/23 17:11 | 1 | 2.0 | 06/15/23 17:11 | CPS | SM 2320B 1997* |

Soluble General Chemistry - PIA

| | | | | | | | | | |
|---------------------------------------|------|------|--|----------------|---|----|----------------|-----|----------|
| Solids - total dissolved solids (TDS) | 3100 | mg/L | | 06/08/23 12:23 | 1 | 26 | 06/08/23 12:23 | MKH | SM 2540C |
|---------------------------------------|------|------|--|----------------|---|----|----------------|-----|----------|

Total Metals - PIA

| | | | | | | | | | |
|-----------|------|------|--|----------------|-----|------|----------------|-----|-----------|
| Calcium | 320 | mg/L | | 06/14/23 10:45 | 5 | 0.20 | 06/16/23 16:57 | JMW | EPA 6020A |
| Magnesium | 1200 | mg/L | | 06/14/23 10:45 | 100 | 2.0 | 06/20/23 10:39 | JMW | EPA 6020A |
| Potassium | 140 | mg/L | | 06/14/23 10:45 | 5 | 0.10 | 06/16/23 16:57 | JMW | EPA 6020A |
| Sodium | 600 | mg/L | | 06/14/23 10:45 | 100 | 2.0 | 06/20/23 10:39 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-06
Name: G275
Matrix: Ground Water - Grab

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 24 | mg/L | Q4 | 06/09/23 11:20 | 10 | 10 | 06/09/23 11:20 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.310 | mg/L | | 06/09/23 10:26 | 1 | 0.250 | 06/09/23 10:26 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 440 | mg/L | Q4 | 06/09/23 11:38 | 100 | 100 | 06/09/23 11:38 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Dissolved oxygen, Field | 1.2 | mg/L | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Oxidation Reduction Potential | 170 | mV | | 06/08/23 12:00 | 1 | -500 | 06/08/23 12:00 | FIELD | Field* |
| pH, Field Measured | 6.97 | pH Units | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Specific Conductance, Field Measured | 1431 | umhos/cm | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Temperature, Field Measured | 16.7 | °C | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Turbidity, Field Measured | 0.170 | NTU | | 06/08/23 12:00 | 1 | 0.00 | 06/08/23 12:00 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 350 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 1100 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Barium | 24 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Boron | 2200 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 09:44 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Calcium | 160 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:44 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Magnesium | 67 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:44 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:44 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Potassium | 0.41 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:44 | JMW | EPA 6020A |
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:04 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-06
Name: G275
Matrix: Ground Water - Grab

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Sodium | 59 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:44 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:44 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 11:59 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-07
Name: G275 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 23 | mg/L | | 06/09/23 12:14 | 10 | 10 | 06/09/23 12:14 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.301 | mg/L | | 06/09/23 11:56 | 1 | 0.250 | 06/09/23 11:56 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 430 | mg/L | | 06/09/23 12:32 | 100 | 100 | 06/09/23 12:32 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Dissolved oxygen, Field | 1.2 | mg/L | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Oxidation Reduction Potential | 170 | mV | | 06/08/23 12:00 | 1 | -500 | 06/08/23 12:00 | FIELD | Field* |
| pH, Field Measured | 6.97 | pH Units | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Specific Conductance, Field Measured | 1431 | umhos/cm | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Temperature, Field Measured | 16.7 | °C | | 06/08/23 12:00 | 1 | | 06/08/23 12:00 | FIELD | Field* |
| Turbidity, Field Measured | 0.170 | NTU | | 06/08/23 12:00 | 1 | 0.00 | 06/08/23 12:00 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 360 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 1100 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Barium | 24 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Boron | 2300 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 09:48 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Calcium | 160 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:48 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Magnesium | 67 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:48 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:48 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Potassium | 0.42 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:48 | JMW | EPA 6020A |
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:06 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-07
Name: G275 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Sodium | 59 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:48 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:48 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:03 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-08
Name: G275D
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:13
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 23 | mg/L | | 06/09/23 13:44 | 10 | 10 | 06/09/23 13:44 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.392 | mg/L | | 06/09/23 12:50 | 1 | 0.250 | 06/09/23 12:50 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 99 | mg/L | | 06/09/23 14:03 | 50 | 50 | 06/09/23 14:03 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 41.89 | Feet | | 06/08/23 13:13 | 1 | | 06/08/23 13:13 | FIELD | Field* |
| Dissolved oxygen, Field | 0.18 | mg/L | | 06/08/23 13:13 | 1 | | 06/08/23 13:13 | FIELD | Field* |
| Oxidation Reduction Potential | -116 | mV | | 06/08/23 13:13 | 1 | -500 | 06/08/23 13:13 | FIELD | Field* |
| pH, Field Measured | 7.34 | pH Units | | 06/08/23 13:13 | 1 | | 06/08/23 13:13 | FIELD | Field* |
| Specific Conductance, Field Measured | 1560 | umhos/cm | | 06/08/23 13:13 | 1 | | 06/08/23 13:13 | FIELD | Field* |
| Temperature, Field Measured | 17.0 | °C | | 06/08/23 13:13 | 1 | | 06/08/23 13:13 | FIELD | Field* |
| Turbidity, Field Measured | 83.3 | NTU | | 06/08/23 13:13 | 1 | 0.00 | 06/08/23 13:13 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 750 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 980 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Arsenic | 17 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Barium | 450 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Boron | 180 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 09:52 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Calcium | 150 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:52 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Magnesium | 61 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:52 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:52 | JMW | EPA 6020A |
| Molybdenum | 3.6 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Potassium | 2.5 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:52 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-08
Name: G275D
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:13
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:08 | JMW | EPA 6020A |
| Sodium | 110 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:52 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:52 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:04 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-09
Name: G280
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:25
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 71 | mg/L | | 06/09/23 11:18 | 10 | 10 | 06/09/23 11:18 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.339 | mg/L | | 06/09/23 10:56 | 1 | 0.250 | 06/09/23 10:56 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 91 | mg/L | | 06/09/23 11:18 | 10 | 10 | 06/09/23 11:18 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 4.47 | Feet | | 06/08/23 09:25 | 1 | | 06/08/23 09:25 | FIELD | Field* |
| Dissolved oxygen, Field | 2.0 | mg/L | | 06/08/23 09:25 | 1 | | 06/08/23 09:25 | FIELD | Field* |
| Oxidation Reduction Potential | 190 | mV | | 06/08/23 09:25 | 1 | -500 | 06/08/23 09:25 | FIELD | Field* |
| pH, Field Measured | 7.35 | pH Units | | 06/08/23 09:25 | 1 | | 06/08/23 09:25 | FIELD | Field* |
| Specific Conductance, Field Measured | 902.1 | umhos/cm | | 06/08/23 09:25 | 1 | | 06/08/23 09:25 | FIELD | Field* |
| Temperature, Field Measured | 15.4 | °C | | 06/08/23 09:25 | 1 | | 06/08/23 09:25 | FIELD | Field* |
| Turbidity, Field Measured | 46.1 | NTU | | 06/08/23 09:25 | 1 | 0.00 | 06/08/23 09:25 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 260 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 590 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Barium | 49 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Boron | 20 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 09:56 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Calcium | 79 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:56 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Magnesium | 38 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:56 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 09:56 | JMW | EPA 6020A |
| Molybdenum | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Potassium | 0.58 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:56 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-09
Name: G280
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:25
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:10 | JMW | EPA 6020A |
| Sodium | 56 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 09:56 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 09:56 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:05 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-10
Name: G283
Matrix: Ground Water - Grab

Sampled: 06/08/23 14:32
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 36 | mg/L | | 06/09/23 12:22 | 10 | 10 | 06/09/23 12:22 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.307 | mg/L | | 06/09/23 12:00 | 1 | 0.250 | 06/09/23 12:00 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 250 | mg/L | | 06/09/23 12:43 | 50 | 50 | 06/09/23 12:43 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 6.15 | Feet | | 06/08/23 14:32 | 1 | | 06/08/23 14:32 | FIELD | Field* |
| Dissolved oxygen, Field | 0.36 | mg/L | | 06/08/23 14:32 | 1 | | 06/08/23 14:32 | FIELD | Field* |
| Oxidation Reduction Potential | -53.5 | mV | | 06/08/23 14:32 | 1 | -500 | 06/08/23 14:32 | FIELD | Field* |
| pH, Field Measured | 7.08 | pH Units | | 06/08/23 14:32 | 1 | | 06/08/23 14:32 | FIELD | Field* |
| Specific Conductance, Field Measured | 1301 | umhos/cm | | 06/08/23 14:32 | 1 | | 06/08/23 14:32 | FIELD | Field* |
| Temperature, Field Measured | 14.5 | °C | | 06/08/23 14:32 | 1 | | 06/08/23 14:32 | FIELD | Field* |
| Turbidity, Field Measured | 160 | NTU | | 06/08/23 14:32 | 1 | 0.00 | 06/08/23 14:32 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 410 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 930 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Arsenic | 1.1 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Barium | 160 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Boron | 54 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 10:00 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Calcium | 140 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:00 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Magnesium | 68 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:00 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:00 | JMW | EPA 6020A |
| Molybdenum | 1.9 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Potassium | 1.2 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:00 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-10
Name: G283
Matrix: Ground Water - Grab

Sampled: 06/08/23 14:32
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:13 | JMW | EPA 6020A |
| Sodium | 53 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:00 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:00 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:06 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-11
Name: G285
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:53
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| <u>Anions - PIA</u> | | | | | | | | | |
| Chloride | 25 | mg/L | Q4 | 06/09/23 14:09 | 10 | 10 | 06/09/23 14:09 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 640 | mg/L | Q4 | 06/09/23 15:13 | 100 | 100 | 06/09/23 15:13 | CRD | EPA 300.0 REV 2.1 |
| <u>Field - PIA</u> | | | | | | | | | |
| Depth, From Measuring Point | 7.47 | Feet | | 06/08/23 13:53 | 1 | | 06/08/23 13:53 | FIELD | Field* |
| Dissolved oxygen, Field | 0.35 | mg/L | | 06/08/23 13:53 | 1 | | 06/08/23 13:53 | FIELD | Field* |
| Oxidation Reduction Potential | 50.6 | mV | | 06/08/23 13:53 | 1 | -500 | 06/08/23 13:53 | FIELD | Field* |
| pH, Field Measured | 6.79 | pH Units | | 06/08/23 13:53 | 1 | | 06/08/23 13:53 | FIELD | Field* |
| Specific Conductance, Field Measured | 2155 | umhos/cm | | 06/08/23 13:53 | 1 | | 06/08/23 13:53 | FIELD | Field* |
| Temperature, Field Measured | 15.6 | °C | | 06/08/23 13:53 | 1 | | 06/08/23 13:53 | FIELD | Field* |
| Turbidity, Field Measured | 88.6 | NTU | | 06/08/23 13:53 | 1 | 0.00 | 06/08/23 13:53 | FIELD | Field* |
| <u>General Chemistry - PIA</u> | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 640 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Fluoride | 0.334 | mg/L | | 06/12/23 16:13 | 1 | 0.250 | 06/12/23 16:13 | ANK | SM 4500F C 1997 |
| <u>Soluble General Chemistry - PIA</u> | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 1700 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Arsenic | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Barium | 43 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Boron | 99 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 10:31 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Calcium | 270 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:31 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Cobalt | 2.9 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Magnesium | 90 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:31 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:31 | JMW | EPA 6020A |
| Molybdenum | 3.8 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Potassium | 2.0 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:31 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-11
Name: G285
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:53
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:15 | JMW | EPA 6020A |
| Sodium | 130 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:31 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:31 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:08 | TJJ | EPA 6010B |

Sample: GF01654-14
Name: G272
Matrix: Ground Water - Grab

Sampled: 06/08/23 12:10
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Field - PIA

| | | | | | | | | | |
|-----------------------------|-----|------|--|----------------|---|--|----------------|-------|--------|
| Depth, From Measuring Point | 9.8 | Feet | | 06/08/23 12:10 | 1 | | 06/08/23 12:10 | FIELD | Field* |
|-----------------------------|-----|------|--|----------------|---|--|----------------|-------|--------|

Sample: GF01654-15
Name: G274
Matrix: Ground Water - Grab

Sampled: 06/08/23 11:04
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Field - PIA

| | | | | | | | | | |
|-----------------------------|-------|------|--|----------------|---|--|----------------|-------|--------|
| Depth, From Measuring Point | 14.48 | Feet | | 06/08/23 11:04 | 1 | | 06/08/23 11:04 | FIELD | Field* |
|-----------------------------|-------|------|--|----------------|---|--|----------------|-------|--------|

ANALYTICAL RESULTS

Sample: GF01654-16
Name: G270
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:54
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 8.3 | mg/L | | 06/09/23 12:15 | 5 | 5.0 | 06/09/23 12:15 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.298 | mg/L | | 06/09/23 11:57 | 1 | 0.250 | 06/09/23 11:57 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 54 | mg/L | | 06/09/23 12:33 | 25 | 25 | 06/09/23 12:33 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 6.45 | Feet | | 06/08/23 09:54 | 1 | | 06/08/23 09:54 | FIELD | Field* |
| Dissolved oxygen, Field | 11 | mg/L | | 06/08/23 09:54 | 1 | | 06/08/23 09:54 | FIELD | Field* |
| Oxidation Reduction Potential | 61.0 | mV | | 06/08/23 09:54 | 1 | -500 | 06/08/23 09:54 | FIELD | Field* |
| pH, Field Measured | 6.63 | pH Units | | 06/08/23 09:54 | 1 | | 06/08/23 09:54 | FIELD | Field* |
| Specific Conductance, Field Measured | 782.0 | umhos/cm | | 06/08/23 09:54 | 1 | | 06/08/23 09:54 | FIELD | Field* |
| Temperature, Field Measured | 14.6 | °C | | 06/08/23 09:54 | 1 | | 06/08/23 09:54 | FIELD | Field* |
| Turbidity, Field Measured | 54.6 | NTU | | 06/08/23 09:54 | 1 | 0.00 | 06/08/23 09:54 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 350 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 500 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Arsenic | 1.1 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Barium | 64 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Boron | 14 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 10:50 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Calcium | 57 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:50 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Magnesium | 24 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:50 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:50 | JMW | EPA 6020A |
| Molybdenum | 1.2 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Potassium | 0.67 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:50 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-16
Name: G270
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:54
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:32 | JMW | EPA 6020A |
| Sodium | 82 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:50 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:50 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:10 | TJJ | EPA 6010B |

ANALYTICAL RESULTS

Sample: GF01654-17
Name: G284
Matrix: Ground Water - Grab

Sampled: 06/08/23 15:16
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 42 | mg/L | Q4 | 06/09/23 13:45 | 10 | 10 | 06/09/23 13:45 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | 0.510 | mg/L | | 06/09/23 12:51 | 1 | 0.250 | 06/09/23 12:51 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 71 | mg/L | Q4 | 06/09/23 13:45 | 10 | 10 | 06/09/23 13:45 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 12.48 | Feet | | 06/08/23 15:16 | 1 | | 06/08/23 15:16 | FIELD | Field* |
| Dissolved oxygen, Field | 2.1 | mg/L | | 06/08/23 15:16 | 1 | | 06/08/23 15:16 | FIELD | Field* |
| Oxidation Reduction Potential | 112 | mV | | 06/08/23 15:16 | 1 | -500 | 06/08/23 15:16 | FIELD | Field* |
| pH, Field Measured | 7.24 | pH Units | | 06/08/23 15:16 | 1 | | 06/08/23 15:16 | FIELD | Field* |
| Specific Conductance, Field Measured | 851.1 | umhos/cm | | 06/08/23 15:16 | 1 | | 06/08/23 15:16 | FIELD | Field* |
| Temperature, Field Measured | 16.7 | °C | | 06/08/23 15:16 | 1 | | 06/08/23 15:16 | FIELD | Field* |
| Turbidity, Field Measured | 143 | NTU | | 06/08/23 15:16 | 1 | 0.00 | 06/08/23 15:16 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 340 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 06/15/23 12:21 | 1 | 10 | 06/15/23 12:21 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | | | | | | | | | |
| Solids - total dissolved solids (TDS) | 520 | mg/L | | 06/12/23 10:55 | 1 | 26 | 06/12/23 10:55 | MKH | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Antimony | < 3.0 | ug/L | | 06/15/23 05:55 | 5 | 3.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Arsenic | 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Barium | 69 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Beryllium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Boron | 50 | ug/L | | 06/15/23 05:55 | 5 | 10 | 06/21/23 10:54 | JMW | EPA 6020A |
| Cadmium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Calcium | 73 | mg/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:54 | JMW | EPA 6020A |
| Chromium | < 4.0 | ug/L | | 06/15/23 05:55 | 5 | 4.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Cobalt | < 2.0 | ug/L | | 06/15/23 05:55 | 5 | 2.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Lead | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Magnesium | 38 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:54 | JMW | EPA 6020A |
| Mercury | < 0.20 | ug/L | | 06/15/23 05:55 | 5 | 0.20 | 06/21/23 10:54 | JMW | EPA 6020A |
| Molybdenum | 3.7 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Potassium | 0.34 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:54 | JMW | EPA 6020A |

ANALYTICAL RESULTS

Sample: GF01654-17
Name: G284
Matrix: Ground Water - Grab

Sampled: 06/08/23 15:16
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|---------|------|-----------|----------------|----------|-------|----------------|---------|-----------|
| Selenium | 1.2 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/22/23 08:34 | JMW | EPA 6020A |
| Sodium | 56 | mg/L | | 06/15/23 05:55 | 5 | 0.10 | 06/21/23 10:54 | JMW | EPA 6020A |
| Thallium | < 1.0 | ug/L | | 06/15/23 05:55 | 5 | 1.0 | 06/21/23 10:54 | JMW | EPA 6020A |
| Lithium | < 0.020 | mg/L | | 06/15/23 05:55 | 1 | 0.020 | 06/20/23 12:11 | TJJ | EPA 6010B |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|------|-------------------------------|---------------|-------------------------------|-------------|-----|-----------|
| <u>Batch B335001 - No Prep - SM 2540C</u> | | | | | | | | | |
| Blank (B335001-BLK1) | | | | Prepared & Analyzed: 06/02/23 | | | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B335001-BS1) | | | | Prepared & Analyzed: 06/02/23 | | | | | |
| Solids - total dissolved solids (TDS) | 980 | mg/L | | 1000 | | 98 | 84.9-109 | | |
| <u>Batch B335098 - IC No Prep - EPA 300.0 REV 2.1</u> | | | | | | | | | |
| Matrix Spike (B335098-MS1) | | | | Sample: GF00140-31 | | Prepared & Analyzed: 06/02/23 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 490 | NR | 80-120 | | |
| Matrix Spike Dup (B335098-MSD1) | | | | Sample: GF00140-31 | | Prepared & Analyzed: 06/02/23 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 490 | NR | 80-120 | 0 | 20 |
| <u>Batch B335327 - No Prep - SM 2540C</u> | | | | | | | | | |
| Blank (B335327-BLK1) | | | | Prepared & Analyzed: 06/07/23 | | | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B335327-BS1) | | | | Prepared & Analyzed: 06/07/23 | | | | | |
| Solids - total dissolved solids (TDS) | 987 | mg/L | | 1000 | | 99 | 84.9-109 | | |
| <u>Batch B335489 - No Prep - SM 2540C</u> | | | | | | | | | |
| Blank (B335489-BLK1) | | | | Prepared & Analyzed: 06/08/23 | | | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B335489-BS1) | | | | Prepared & Analyzed: 06/08/23 | | | | | |
| Solids - total dissolved solids (TDS) | 983 | mg/L | | 1000 | | 98 | 84.9-109 | | |
| <u>Batch B335621 - No Prep - SM 2540C</u> | | | | | | | | | |
| Blank (B335621-BLK1) | | | | Prepared & Analyzed: 06/12/23 | | | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B335621-BS1) | | | | Prepared & Analyzed: 06/12/23 | | | | | |
| Solids - total dissolved solids (TDS) | 1030 | mg/L | | 1000 | | 103 | 84.9-109 | | |
| Duplicate (B335621-DUP2) | | | | Sample: GF01654-11 | | Prepared & Analyzed: 06/12/23 | | | |
| Solids - total dissolved solids (TDS) | 1660 | mg/L | | | | 1730 | | 4 | 5 |
| <u>Batch B335706 - IC No Prep - EPA 300.0 REV 2.1</u> | | | | | | | | | |
| Matrix Spike (B335706-MS1) | | | | Sample: GF01654-06 | | Prepared & Analyzed: 06/09/23 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 442 | NR | 80-120 | | |
| Fluoride | 1.78 | mg/L | | 1.500 | 0.310 | 98 | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 24 | NR | 80-120 | | |
| Matrix Spike Dup (B335706-MSD1) | | | | Sample: GF01654-06 | | Prepared & Analyzed: 06/09/23 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 24 | NR | 80-120 | 0 | 20 |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 442 | NR | 80-120 | 0 | 20 |
| Fluoride | 1.80 | mg/L | | 1.500 | 0.310 | 100 | 80-120 | 1 | 20 |
| <u>Batch B335708 - IC No Prep - EPA 300.0 REV 2.1</u> | | | | | | | | | |
| Matrix Spike (B335708-MS1) | | | | Sample: GF01654-11 | | Prepared & Analyzed: 06/09/23 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 636 | NR | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 25 | NR | 80-120 | | |
| Matrix Spike Dup (B335708-MSD1) | | | | Sample: GF01654-11 | | Prepared & Analyzed: 06/09/23 | | | |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | |
|--|---------|------|------|---------------------------------------|---------------|-------------------------------|-------------|-----|-----------|--|
| Matrix Spike Dup (B335708-MSD1) | | | | Sample: GF01654-11 | | Prepared & Analyzed: 06/09/23 | | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 636 | NR | 80-120 | 0 | 20 | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 25 | NR | 80-120 | 0 | 20 | |
| <u>Batch B335710 - IC No Prep - EPA 300.0 REV 2.1</u> | | | | | | | | | | |
| Matrix Spike (B335710-MS1) | | | | Sample: GF01654-17 | | Prepared & Analyzed: 06/09/23 | | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 71.0 | NR | 80-120 | | | |
| Fluoride | 1.95 | mg/L | | 1.500 | 0.510 | 96 | 80-120 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 42 | NR | 80-120 | | | |
| Matrix Spike Dup (B335710-MSD1) | | | | Sample: GF01654-17 | | Prepared & Analyzed: 06/09/23 | | | | |
| Fluoride | 1.98 | mg/L | | 1.500 | 0.510 | 98 | 80-120 | 1 | 20 | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 71.0 | NR | 80-120 | 0 | 20 | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 42 | NR | 80-120 | 0 | 20 | |
| <u>Batch B335739 - SW 3015 - EPA 6010B</u> | | | | | | | | | | |
| Blank (B335739-BLK1) | | | | Prepared: 06/12/23 Analyzed: 06/13/23 | | | | | | |
| Lithium | < 0.020 | mg/L | | | | | | | | |
| LCS (B335739-BS1) | | | | Prepared: 06/12/23 Analyzed: 06/13/23 | | | | | | |
| Lithium | 0.588 | mg/L | | 0.5556 | | 106 | 80-120 | | | |
| <u>Batch B335739 - SW 3015 - EPA 6020A</u> | | | | | | | | | | |
| Blank (B335739-BLK1) | | | | Prepared: 06/12/23 Analyzed: 06/13/23 | | | | | | |
| Antimony | < 3.0 | ug/L | | | | | | | | |
| Arsenic | < 1.0 | ug/L | | | | | | | | |
| Barium | < 1.0 | ug/L | | | | | | | | |
| Beryllium | < 1.0 | ug/L | | | | | | | | |
| Boron | < 10 | ug/L | | | | | | | | |
| Cadmium | < 1.0 | ug/L | | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | | |
| Chromium | < 4.0 | ug/L | | | | | | | | |
| Cobalt | < 2.0 | ug/L | | | | | | | | |
| Lead | < 1.0 | ug/L | | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | | |
| Mercury | < 0.20 | ug/L | | | | | | | | |
| Molybdenum | < 1.0 | ug/L | | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | | |
| Selenium | < 1.0 | ug/L | | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | | |
| Thallium | < 1.0 | ug/L | | | | | | | | |
| LCS (B335739-BS1) | | | | Prepared: 06/12/23 Analyzed: 06/13/23 | | | | | | |
| Antimony | 537 | ug/L | | 555.6 | | 97 | 80-120 | | | |
| Arsenic | 545 | ug/L | | 555.6 | | 98 | 80-120 | | | |
| Barium | 534 | ug/L | | 555.6 | | 96 | 80-120 | | | |
| Beryllium | 542 | ug/L | | 555.6 | | 98 | 80-120 | | | |
| Boron | 557 | ug/L | | 555.6 | | 100 | 80-120 | | | |
| Cadmium | 568 | ug/L | | 555.6 | | 102 | 80-120 | | | |
| Calcium | 5.90 | mg/L | | 5.556 | | 106 | 80-120 | | | |
| Chromium | 569 | ug/L | | 555.6 | | 102 | 80-120 | | | |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---------|--------------------|------|---------------------------------------|-------------------------------|------|-------------|-----|-----------|
| LCS (B335739-BS1) | | | | Prepared: 06/12/23 Analyzed: 06/13/23 | | | | | |
| Cobalt | 543 | ug/L | | 555.6 | | 98 | 80-120 | | |
| Lead | 562 | ug/L | | 555.6 | | 101 | 80-120 | | |
| Magnesium | 5.53 | mg/L | | 5.556 | | 99 | 80-120 | | |
| Mercury | 54.9 | ug/L | | 55.56 | | 99 | 80-120 | | |
| Molybdenum | 552 | ug/L | | 555.6 | | 99 | 80-120 | | |
| Potassium | 5.66 | mg/L | | 5.556 | | 102 | 80-120 | | |
| Selenium | 573 | ug/L | | 555.6 | | 103 | 80-120 | | |
| Sodium | 5.65 | mg/L | | 5.556 | | 102 | 80-120 | | |
| Thallium | 561 | ug/L | | 555.6 | | 101 | 80-120 | | |
| <u>Batch B335822 - No Prep - SM 2320B 1997</u> | | | | | | | | | |
| Duplicate (B335822-DUP5) | | Sample: GF00140-31 | | | Prepared & Analyzed: 06/12/23 | | | | |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Alkalinity - bicarbonate as CaCO3 | 325 | mg/L | | | 338 | | | 4 | 10 |
| <u>Batch B335861 - SW 3015 - EPA 6010B</u> | | | | | | | | | |
| Blank (B335861-BLK1) | | | | Prepared: 06/13/23 Analyzed: 06/20/23 | | | | | |
| Lithium | < 0.020 | mg/L | | | | | | | |
| LCS (B335861-BS1) | | | | Prepared: 06/13/23 Analyzed: 06/20/23 | | | | | |
| Lithium | 0.582 | mg/L | | 0.5556 | | 105 | 80-120 | | |
| <u>Batch B335861 - SW 3015 - EPA 6020A</u> | | | | | | | | | |
| Blank (B335861-BLK1) | | | | Prepared: 06/13/23 Analyzed: 06/14/23 | | | | | |
| Antimony | < 3.0 | ug/L | | | | | | | |
| Arsenic | < 1.0 | ug/L | | | | | | | |
| Barium | < 1.0 | ug/L | | | | | | | |
| Beryllium | < 1.0 | ug/L | | | | | | | |
| Boron | < 10 | ug/L | | | | | | | |
| Cadmium | < 1.0 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Chromium | < 4.0 | ug/L | | | | | | | |
| Cobalt | < 2.0 | ug/L | | | | | | | |
| Lead | < 1.0 | ug/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Mercury | < 0.20 | ug/L | | | | | | | |
| Molybdenum | < 1.0 | ug/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Selenium | < 1.0 | ug/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| Thallium | < 1.0 | ug/L | | | | | | | |
| LCS (B335861-BS1) | | | | Prepared: 06/13/23 Analyzed: 06/14/23 | | | | | |
| Antimony | 516 | ug/L | | 555.6 | | 93 | 80-120 | | |
| Arsenic | 548 | ug/L | | 555.6 | | 99 | 80-120 | | |
| Barium | 509 | ug/L | | 555.6 | | 92 | 80-120 | | |
| Beryllium | 512 | ug/L | | 555.6 | | 92 | 80-120 | | |
| Boron | 590 | ug/L | | 555.6 | | 106 | 80-120 | | |
| Cadmium | 529 | ug/L | | 555.6 | | 95 | 80-120 | | |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---------|------|------|---------------------------------------|---------------|------|-------------|-----|-----------|
| LCS (B335861-BS1) | | | | Prepared: 06/13/23 Analyzed: 06/14/23 | | | | | |
| Calcium | 5.31 | mg/L | | 5.556 | | 96 | 80-120 | | |
| Chromium | 534 | ug/L | | 555.6 | | 96 | 80-120 | | |
| Cobalt | 535 | ug/L | | 555.6 | | 96 | 80-120 | | |
| Lead | 537 | ug/L | | 555.6 | | 97 | 80-120 | | |
| Magnesium | 5.61 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Mercury | 51.3 | ug/L | | 55.56 | | 92 | 80-120 | | |
| Molybdenum | 503 | ug/L | | 555.6 | | 90 | 80-120 | | |
| Potassium | 5.74 | mg/L | | 5.556 | | 103 | 80-120 | | |
| Selenium | 528 | ug/L | | 555.6 | | 95 | 80-120 | | |
| Sodium | 5.65 | mg/L | | 5.556 | | 102 | 80-120 | | |
| Thallium | 552 | ug/L | | 555.6 | | 99 | 80-120 | | |
| <u>Batch B336004 - SW 3015 - EPA 6020A</u> | | | | | | | | | |
| Blank (B336004-BLK1) | | | | Prepared: 06/14/23 Analyzed: 06/16/23 | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B336004-BS1) | | | | Prepared: 06/14/23 Analyzed: 06/16/23 | | | | | |
| Calcium | 6.00 | mg/L | | 5.556 | | 108 | 80-120 | | |
| Magnesium | 5.81 | mg/L | | 5.556 | | 105 | 80-120 | | |
| Potassium | 6.02 | mg/L | | 5.556 | | 108 | 80-120 | | |
| Sodium | 5.80 | mg/L | | 5.556 | | 104 | 80-120 | | |
| <u>Batch B336092 - SW 3015 - EPA 6010B</u> | | | | | | | | | |
| Blank (B336092-BLK1) | | | | Prepared: 06/15/23 Analyzed: 06/20/23 | | | | | |
| Lithium | < 0.020 | mg/L | | | | | | | |
| LCS (B336092-BS1) | | | | Prepared: 06/15/23 Analyzed: 06/20/23 | | | | | |
| Lithium | 0.583 | mg/L | | 0.5556 | | 105 | 80-120 | | |
| <u>Batch B336092 - SW 3015 - EPA 6020A</u> | | | | | | | | | |
| Blank (B336092-BLK1) | | | | Prepared: 06/15/23 Analyzed: 06/21/23 | | | | | |
| Antimony | < 3.0 | ug/L | | | | | | | |
| Arsenic | < 1.0 | ug/L | | | | | | | |
| Barium | < 1.0 | ug/L | | | | | | | |
| Beryllium | < 1.0 | ug/L | | | | | | | |
| Boron | < 10 | ug/L | | | | | | | |
| Cadmium | < 1.0 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Chromium | < 4.0 | ug/L | | | | | | | |
| Cobalt | < 2.0 | ug/L | | | | | | | |
| Lead | < 1.0 | ug/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Mercury | < 0.20 | ug/L | | | | | | | |
| Molybdenum | < 1.0 | ug/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Selenium | < 1.0 | ug/L | | | | | | | |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|------|---------------------------------------|---------------|-------------------------------|-------------|-----|-----------|
| Blank (B336092-BLK1) | | | | Prepared: 06/15/23 Analyzed: 06/21/23 | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| Thallium | < 1.0 | ug/L | | | | | | | |
| LCS (B336092-BS1) | | | | Prepared: 06/15/23 Analyzed: 06/21/23 | | | | | |
| Antimony | 548 | ug/L | | 555.6 | | 99 | 80-120 | | |
| Arsenic | 550 | ug/L | | 555.6 | | 99 | 80-120 | | |
| Barium | 558 | ug/L | | 555.6 | | 100 | 80-120 | | |
| Beryllium | 502 | ug/L | | 555.6 | | 90 | 80-120 | | |
| Boron | 492 | ug/L | | 555.6 | | 89 | 80-120 | | |
| Cadmium | 563 | ug/L | | 555.6 | | 101 | 80-120 | | |
| Calcium | 5.73 | mg/L | | 5.556 | | 103 | 80-120 | | |
| Chromium | 566 | ug/L | | 555.6 | | 102 | 80-120 | | |
| Cobalt | 534 | ug/L | | 555.6 | | 96 | 80-120 | | |
| Lead | 538 | ug/L | | 555.6 | | 97 | 80-120 | | |
| Magnesium | 5.58 | mg/L | | 5.556 | | 100 | 80-120 | | |
| Mercury | 52.7 | ug/L | | 55.56 | | 95 | 80-120 | | |
| Molybdenum | 546 | ug/L | | 555.6 | | 98 | 80-120 | | |
| Potassium | 5.42 | mg/L | | 5.556 | | 98 | 80-120 | | |
| Selenium | 574 | ug/L | | 555.6 | | 103 | 80-120 | | |
| Sodium | 5.41 | mg/L | | 5.556 | | 97 | 80-120 | | |
| Thallium | 538 | ug/L | | 555.6 | | 97 | 80-120 | | |
| <u>Batch B336210 - No Prep - SM 2320B 1997</u> | | | | | | | | | |
| Duplicate (B336210-DUP2) | | | | Sample: GF01654-07 | | Prepared & Analyzed: 06/15/23 | | | |
| Alkalinity - bicarbonate as CaCO3 | 338 | mg/L | | | 362 | | | 7 | 10 |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Duplicate (B336210-DUP3) | | | | Sample: GF01654-11 | | Prepared & Analyzed: 06/15/23 | | | |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Alkalinity - bicarbonate as CaCO3 | 662 | mg/L | | | 638 | | | 4 | 10 |

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.





Certified by: Gail Schindler, Project Manager

GFO0140
 Vm-6-1-23
 6-1-23

COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Page: 1 of 7

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: IL
 STATE:

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: Vistra Corp
 Address: 13498 E. 900th St
 Email To: Brian.Voelker@VistraCorp.com
 Phone: (217) 753-8911 Fax:

Section B
 Required Project Information:
 Report To: Brian Voelker
 Copy To: Jason Stuckey
 Purchase Order No.:
 Project Name:
 Project Number: 2285
 Requested Due Date/TAT: 10 day

Section C
 Invoice Information:
 Attention: Jason Stuckey
 Company Name: Vistra Corp
 Address: see Section A
 Quote Reference:
 Project Manager:
 Profile #:

| ITEM # | Section D Required Client Information | Valid Matrix Codes | MATRIX CODE | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | # OF CONTAINERS | Requested Analysis Filtered (Y/N) | Project No./ Lab I.D. |
|--------|--|--------------------|-------------|-----------------------------|-----------|------|-----------------|-----------------------------------|-----------------------|
| | | | | | DATE | TIME | | | |
| 1 | G214 | DRINKING WATER DW | G | G | 6/1 | 1300 | 6 | COF_257_101 | |
| 2 | G111 | WASTE WATER WW | G | G | 6/1 | 1315 | 8 | COF_257_103 | |
| 3 | G310 | WASTE WATER WW | G | G | 6/1 | 1412 | 13 | COF_845_102 | |
| 4 | G312 | SOLID WASTE SW | G | G | 6/1 | 1401 | 13 | COF_845_101 | |
| 5 | G279 | SOIL S | G | G | 6/1 | 1207 | 15 | COF_811_105 | |
| 6 | G277 | OIL O | G | G | 6/1 | 1027 | 15 | COF_257_104 | |
| 7 | | WIFE WP | | | | | | COF_845_103 | |
| 8 | | AIR AR | | | | | | COF_845_102 | |
| 9 | | OTHER OT | | | | | | COF_845_101 | |
| 10 | | TISSUE TS | | | | | | COF_845_105 | |
| 11 | | | | | | | | COF_257_105 | |
| 12 | | | | | | | | COF_257_104 | |
| 13 | | | | | | | | COF_257_103 | |
| 14 | | | | | | | | COF_257_102 | |
| 15 | | | | | | | | COF_257_101 | |
| 16 | | | | | | | | COF_SUP_000 | |
| | | | | | | | | COF_WPCP_102 | |
| | | | | | | | | COF_WPCP_103_104 | |
| | | | | | | | | COF_WPCP_106 | |
| | | | | | | | | Residual Chlorine (Y/N) | |

Section E
 ADDITIONAL COMMENTS
COF-23Q2 Rev 1

RELINQUISHED BY / AFFILIATION: Brenden Blenma DATE: 6/1 TIME: 1645

ACCEPTED BY / AFFILIATION: Jason Stuckey DATE: 6/1/23 TIME: 16:45:24.2

SAMPLER NAME AND SIGNATURE: Brenden Blenma
 PRINT Name of SAMPLER: Brenden Blenma
 SIGNATURE of SAMPLER: Brenden Blenma

DATE SIGNED: 6/1/23
 (MM/DD/YY): 06/01/23

Received on Ice (Y/N): Y
 Custody Sealed Cooler (Y/N): Y
 Samples Intact (Y/N): Y

GFO0140
 ✓
 6-1-23
 6-1-23

Page: 1 of 7

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location IL
 STATE:

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: Visira Corp
 Address: 13498 E. 900th St
 Email To: Brian.Voelker@VisiraCorp.com
 Phone: (217) 753-9811 Fax:

Section B
 Required Project Information:
 Report To: Brian Voelker
 Copy To: Jason Stuckey
 Purchase Order No.:
 Project Name:
 Project Number: 2285
 Requested Due Date/TAT: 10 day

Section C
 Invoice Information:
 Attention: Jason Stuckey
 Company Name: Visira Corp
 Address: see Section A
 Quote Reference:
 Project Manager:
 Profile #:

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WATER PRODUCT P SOIL/SOLID SL OIL OL PIPE WP OTHER OT TISSUE TS | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE TIME | # OF CONTAINERS | Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ O ₂ Methanol Other | Requested Analysis Filtered (Y/N) | Project No./ Lab I.D. | Temp in °C | Received on Ice (Y/N) | Sealed Cooler (Y/N) | Samples Intact (Y/N) |
|--------|--|--|---------------------------------------|-----------------------------|------------------------|-----------------|--|-----------------------------------|-------------------------|------------|-----------------------|---------------------|----------------------|
| | | | | | | | | | | | | | |
| 1 | GAIL | | G | G | 6/1/23 1300 | 6 | | Y | COF_257_101 | | | | |
| 2 | G11 | | G | G | 6/1/23 1345 | 8 | | Y | COF_257_102 | | | | |
| 3 | G310 | | G | G | 6/1/23 1412 | 13 | | Y | COF_845_101 | | | | |
| 4 | G312 | | G | G | 6/1/23 1401 | 13 | | Y | COF_845_102 | | | | |
| 5 | G77A | | G | G | 6/1/23 207 | 15 | | Y | COF_811_105 | | | | |
| 6 | G277 | | G | G | 6/1/23 1037 | 15 | | Y | COF_257_104 | | | | |
| 7 | G11 DUP | | G | G | 6/1/23 1345 | 4 | | Y | COF_257_103 | | | | |
| 8 | | | | | | | | | COF_845_103 | | | | |
| 9 | | | | | | | | | COF_845_104 | | | | |
| 10 | | | | | | | | | COF_SUP_000 | | | | |
| 11 | | | | | | | | | COF_WPCP_102 | | | | |
| 12 | | | | | | | | | COF_WPCP_103_104 | | | | |
| 13 | | | | | | | | | COF_WPCP_106 | | | | |
| 14 | | | | | | | | | Residual Chlorine (Y/N) | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |

COF-23Q2 Rev 1

RELINQUISHED BY / AFFILIATION: Bruce Blum DATE: 6/1/23 TIME: 9:56 AM

ACCEPTED BY / AFFILIATION: Jason Stuckey DATE: 6/1/23 TIME: 6:45 AM

SAMPLER NAME AND SIGNATURE: Bruce Blum PRINT Name of SAMPLER: Bruce Blum
 SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 6/1/23

Received on Ice (Y/N): Y Sealed Cooler (Y/N): N Samples Intact (Y/N): Y

6-14-23
6-9-23 Vmw

CHAIN-OF-CUSTODY / Analytical Request Document

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

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Section A
Required Client Information:
Company: **Visira Corp**
Address: **13498 E. 900th St**
Email To: **Brian.Voelker@VisiraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: 10 day

Section B
Required Project Information:
Report To: **Brian Voelker**
Copy To: **Jason Stuckey**
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C
Invoice Information:
Attention: **Jason Stuckey**
Company Name: **Visira Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

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

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE DRINKING WATER WASTE WATER PRODUCT SOLID/SOLID OIL WIPE AIR OTHER TISSUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | PRESERVATIVES | # OF CONTAINERS | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|--------|---|---|--|-----------------------------|-----------|------|--|-----------------|---------|------|---------------------------|--------|------|---|
| | | | | | DATE | TIME | | | | | | | | |
| 1 | SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE 6206 6206 DJP 6206 D 6207 6209 EB02 | | WT G | | 6/11/23 | 1320 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 15 | 6/11/23 | 1320 | Van Way | 6-9-23 | 1614 | Received on Ice (Y/N) <input checked="" type="checkbox"/> Custody (Y/N) <input checked="" type="checkbox"/> Sealed Cooler (Y/N) <input checked="" type="checkbox"/> Samples Intact (Y/N) <input checked="" type="checkbox"/> |
| 2 | | | WT G | | 6/19/23 | 1320 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 15 | 6/19/23 | 1320 | | | | |
| 3 | | | WT G | | 6/19/23 | 1229 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 13 | 6/19/23 | 1229 | | | | |
| 4 | | | WT G | | 6/19/23 | 1034 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 6 | 6/19/23 | 1034 | | | | |
| 5 | | | WT G | | 6/19/23 | 0944 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 15 | 6/19/23 | 0944 | | | | |
| 6 | | | WT G | | 6/14/23 | 1343 | <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> Unpreserved <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | 6 | 6/14/23 | 1343 | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | |

Section E
Additional Comments:
COF-23Q2 Rev 1

RELINQUISHED BY / AFFILIATION: *[Signature]* DATE: 6/12/23 TIME: 1614

ACCEPTED BY / AFFILIATION: *[Signature]* DATE: 6-9-23 TIME: 1614

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: *[Signature]*
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed (MM/DD/YYYY): 06/09/23

SAR-3: Depth to Groundwater Measurements
 Plant: COF
 Event: COF-23Q2 Rev 1

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | | Notes |
|-------|------------|----------|------------|-----------|-------------|---------|------|----------------------------------|------------------------|----------------|------------------------|--------------|--|
| | | | | | | | | | WL from HOBConnec (ft) | Downloaded Y/N | Data Logger Serial No. | Batt (H/M/L) | |
| G045D | COF_G045&D | X | | AP2 | 102 | 5/30/23 | 1622 | 7.82 | | | | AP | TD 44.96 Start note with relevant well ID |
| G046D | COF_G046&D | X | | AP2 | 102 | 5/30/23 | 1447 | 14.54 | | | | AP | TD 55.14 |
| G1001 | COF_G1001 | | X | AP2 | 102 | | | | | 21615675 | | | |
| G1003 | COF_G1003 | X | | AP2 | 102 | 5/30/23 | 1538 | 10.97 | | | | AP | TD 11.23 |
| G101 | COF_G101 | X | | LF | 105 | 5/30/23 | 1428 | 6.53 | | | | KL | |
| G102 | COF_G102 | | X | LF | 105 | | | | | 21615680 | | | |
| G103 | COF_G103 | | X | LF | 105 | | | | | 21615689 | | | |
| G105 | COF_G105 | | X | LF | 105 | | | | | 21615694 | | | |
| G106 | COF_G106 | | X | LF | 105 | | | | | 21638030 | | | |
| G107 | COF_G107 | X | | LF | 105 | 5/30/23 | 1422 | 10.85 | | | | KL | |
| G108 | COF_G108 | X | | LF | 105 | 5/30/23 | 1327 | 11.65 | | | | JD | |
| G109 | COF_G109 | X | | LF | 105 | 5/30/23 | 1330 | 11.89 | | | | JD | |
| G110 | COF_G110 | X | | LF | 105 | 5/30/23 | 1332 | 12.70 | | | | JD | |
| G111 | COF_G111 | X | | LF | 105 | 5/30/23 | 1622 | 13.70 | | | | JD | |
| G119 | COF_G119 | X | | LF | 105 | 5/30/23 | 1402 | 15.08 | | | | JD | |
| G120 | COF_G120 | X | | LF | 105 | 5/30/23 | 1405 | 14.86 | | | | JD | |
| G121 | COF_G121 | X | | LF | 105 | 5/30/23 | 1420 | 15.38 | | | | JD | |

SAR-3: Depth to Groundwater Measurements

Plant: COF
 Event: COF-23Q2 Rev 1

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | | Notes |
|-------|------------|----------|------------|-----------|-------------|---------|------|----------------------------------|-------------|------------|------------------------|--------------|----------------------------------|
| | | | | | | | | | WL from HOB | Downloaded | Data Logger Serial No. | Batt (H/M/L) | |
| G122 | COF_G122 | X | | LF | 105 | 5/30/23 | 1427 | 14.00 | | | | | Start note with relevant well ID |
| G123 | COF_G123 | X | | LF | 105 | 5/30/23 | 1430 | 12.68 | | | | | |
| G124 | COF_G124 | X | | LF | 105 | 5/30/23 | 1434 | 13.43 | | | | | |
| G125 | COF_G125 | X | | LF | 105 | 5/30/23 | 1436 | 13.54 | | | | | |
| G126 | COF_G126 | X | | LF | 105 | 5/30/23 | 1344 | 10.04 | | | | | |
| G151 | COF_G151 | X | | SWP | 106 | 5/30/23 | 1352 | 11.58 | | | | | |
| G152 | COF_G152 | X | | SWP | 106 | 5/30/23 | 1443 | 11.11 | | | | | |
| G153 | COF_G153 | X | | SWP | 106 | 5/30/23 | 1452 | 11.40 | | | | | |
| G154 | COF_G154 | X | | SWP | 106 | 5/30/23 | 1456 | 13.15 | | | | | |
| G155 | COF_G155 | X | | SWP | 106 | 5/30/23 | 1459 | 12.44 | | | | | |
| G200 | COF_G200 | | X | GSP | 103 | | | | | 21615630 | | | |
| G206 | COF_G206 | | X | GSP | 103 | | | | | 21629315 | | | |
| G206D | COF_G206&D | | X | GSP | 103 | | | | | 21638031 | | | |
| G207 | COF_G207 | | X | GSP | 103 | | | | | 21638029 | | | |
| G208 | COF_G208 | | X | GSP | 103 | | | | | 21638037 | | | |
| G209 | COF_G209 | | X | GSP | 103 | | | | | 21629318 | | | |
| G210 | COF_G210 | | X | GSP | 103 | | | | | 21638036 | | | |

SAR-3: Depth to Groundwater Measurements

Plant: COF
 Event: COF-23Q2 Rev 1

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | Notes |
|-------|------------|----------|------------|-----------|-------------|---------|------|----------------------------------|-----------------------------|------------------------|--------------|----------------------------------|
| | | | | | | | | | WL from HOB to connect (ft) | Data Logger Serial No. | Batt (H/M/L) | |
| G211 | COF_G211 | | X | GSP | 103 | | | | | | | Start note with relevant well ID |
| G212 | COF_G212 | | X | GSP | 103 | | | | | | | |
| G213 | COF_G213 | | X | GSP | 103 | | | | | | | |
| G214 | COF_G214 | | X | GSP | 103 | | | | | | | |
| G215 | COF_G215 | | X | GSP | 103 | | | | | | | |
| G216 | COF_G216 | | X | GSP | 103 | | | | | | | |
| G217 | COF_G217 | | X | GSP | 103 | | | | | | | |
| G218 | COF_G218 | | X | GSP | 103 | | | | | | | |
| G270 | COF_G270 | | X | RP | 104 | | | | | | | |
| G271 | COF_G271 | | X | RP | 104 | | | | | | | |
| G272 | COF_G272 | | X | RP | 104 | | | | | | | |
| G273 | COF_G273 | | X | RP | 104 | | | | | | | |
| G274 | COF_G274 | | X | RP | 104 | | | | | | | |
| G275 | COF_G275 | X | | RP | 104 | 5/30/23 | 1409 | 13.38 | | | | KL Dry |
| G275D | COF_G275&D | | X | RP | 104 | | | | | | | |
| G276 | COF_G276 | | X | RP | 104 | | | | | | | |
| G277 | COF_G277 | X | | RP | 104 | 5/30/23 | 1404 | 18.21 | | | | KL |

SAR-3: Depth to Groundwater Measurements
 Plant: COF
 Event: COF-23Q2 Rev 1

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | | Notes |
|-------|------------|----------|------------|-----------|-------------|---------|------|----------------------------------|-------------|------------|------------------------|--------------|----------------------------------|
| | | | | | | | | | WL from HOB | Downloaded | Data Logger Serial No. | Batt (H/M/L) | |
| G278 | COF_G278 | X | | RP | 104 | 5/30/23 | 1359 | 21.75 | | | | | Start note with relevant well ID |
| G279 | COF_G279 | X | | RP | 104 | 5/30/23 | 1352 | 22.73 | | | | | |
| G280 | COF_G280 | | X | RP | 104 | | | | | | 21615563 | | |
| G281 | COF_G281 | | X | RP | 104 | | | | | | 21629317 | | |
| G283 | COF_G283 | | X | RP | 104 | | | | | | 21615528 | | |
| G284 | COF_G284 | | X | RP | 104 | | | | | | 21638042 | | |
| G285 | COF_G285 | | X | RP | 104 | | | | | | 21615521 | | |
| G286 | COF_G286 | | X | RP | 104 | | | | | | 21615538 | | |
| G287 | COF_G287 | | X | RP | 104 | | | | | | 21615534 | | |
| G288 | COF_G288 | | X | RP | 104 | | | | | | 21615549 | | |
| G301 | COF_G301 | | X | AP1 | 101 | | | | | | 21615529 | | |
| G302 | COF_G302 | | X | AP1 | 101 | | | | | | 21615530 | | |
| G303 | COF_G303 | | X | AP1 | 101 | | | | | | 21615547 | | |
| G305 | COF_G305 | | X | AP1 | 101 | | | | | | 21615546 | | |
| G306 | COF_G306 | | X | AP1 | 101 | | | | | | 21615545 | | |
| G307 | COF_G307 | | X | AP1 | 101 | | | | | | 21615560 | | |
| G307D | COF_G307&D | | X | AP1 | 101 | | | | | | 21629305 | | |

SAR-3: Depth to Groundwater Measurements

Plant: COF
 Event: COF-23Q2 Rev 1

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 2, 2023
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN #1

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | | Notes |
|-------|-------------------|----------|------------|-----------|-------------|---------|------|----------------------------------|-------------|------------|------------------------|--------------|----------------------------------|
| | | | | | | | | | WL from HOB | Downloaded | Data Logger Serial No. | Batt (H/M/L) | |
| G406 | COF_G406 | | X | AP2 | 102 | | | | | | 21615123 | | Start note with relevant well ID |
| G407 | COF_G407 | | X | AP2 | 102 | | | | | | 21615122 | | |
| G410 | COF_G410 | X | | AP2 | 102 | 5/30/23 | 1515 | 8.99 | | | | AP | |
| G411 | COF_G411 | X | | AP2 | 102 | 5/30/23 | 1458 | 8.52 | | | | AP | |
| L201 | COF_L201_leachate | X | | LF | 105 | 5/30/23 | 1611 | 3.28 | | | | JD | |
| L202 | COF_L202_leachate | X | | LF | 105 | 5/30/23 | 1613 | 5.51 | | | | JD | |
| L203 | COF_L203_leachate | X | | LF | 105 | 5/30/23 | 1617 | 5.73 | | | | SD | |
| MW03D | COF_MW03&D | | X | GSP | 103 | | | | | | 21629304 | | |
| MW04S | COF_MW04#S | X | | North | 000 | 5/30/23 | 1558 | 6.63 | | | | JR | |
| MW05S | COF_MW05#S | X | | North | 000 | 5/30/23 | 1552 | 7.25 | | | | JAL | |
| MW05D | COF_MW05&D | X | | North | 000 | 5/30/23 | 1550 | 18.29 | | | | JR | |
| MW06S | COF_MW06#S | X | | North | 000 | 5/30/23 | 1451 | 6.45 | | | | JR | |
| MW07S | COF_MW07#S | X | | North | 000 | 5/30/23 | 1544 | 5.23 | | | | JR | |
| MW09S | COF_MW09#S | X | | North | 000 | 5/30/23 | 1502 | 5.45 | | | | JR | |
| MW09D | COF_MW09&D | X | | North | 000 | 5/30/23 | 1500 | 13.91 | | | | JR | |
| MW10S | COF_MW10#S | X | | North | 000 | 5/30/23 | 1343 | 5.44 | | | | JR | |
| MW10D | COF_MW10&D | X | | North | 000 | 5/30/23 | 1341 | 15.73 | | | | JR | |

SAR-3: Depth to Groundwater Measurements

Plant: COF
 Event: COF-23Q2 Rev 1

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 2, 2023
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN #

| Well | Unique ID | Episodic | Transducer | Unit Name | Unit Number | Date | Time | Measured Depth to Water (ft bmp) | Transducer | | | | Notes |
|----------|------------------------|----------|------------|-----------|-------------|---------|------|----------------------------------|------------------------|----------------|------------------------|--------------|--------------------------------------|
| | | | | | | | | | WL from HOBConnct (ft) | Downloaded Y/N | Data Logger Serial No. | Batt (H/M/L) | |
| T408 | COF_T408 | X | | AP2 | 102 | 5/30/23 | 1618 | 7.42 | | | | AP | Start note relevant with ID TD 28.85 |
| T409 | COF_T409 | X | | AP2 | 102 | 5/30/23 | 1442 | 11.27 | | | | AP | TD 30.06 |
| TA31 | COF_TA31 | X | | LF | 105 | 5/30/23 | 1431 | 7.06 | | | | KL | TD 22.75 |
| TA33 | COF_TA33 | X | | LF | 105 | 5/30/23 | 1430 | 8.42 | | | | JR | |
| TA34 | COF_TA34 | X | | LF | 105 | 5/30/23 | 1410 | 9.48 | | | | JD | TD 18.70 |
| TR32 | COF_TR32 | X | | LF | 105 | 5/30/23 | 1440 | 6.18 | | | | JR | |
| X201 | COF_X201_leachate | | X | RP | 104 | | | | | | 21024091 | | |
| XPW01 | COF_XPW01_pore | | X | AP1 | 101 | | | | | | 21615536 | | |
| XPW02 | COF_XPW02_pore | | X | AP1 | 101 | | | | | | 21615507 | | |
| NE Riser | COF_XRISER_NE_leachate | | X | GSP | 103 | | | | | | 21048333 | | |
| XSG-01 | COF_XSG-01 | X | | AP1 | 101 | 5/30/23 | 1432 | 5.45 | | | | AP | |
| SG-02 | COF_YSG02 | X | | AP1 | 101 | 5/30/23 | 1525 | 7.47 | | | | AP | |
| SG-03 | COF_YSG03 | X | | AP1 | 101 | 5/30/23 | 1347 | 9.85 | | | | AG | |
| SG-04 | COF_YSG04 | X | | AP2 | 102 | 5/30/23 | 1612 | 6.41 | | | | AP | |

IU:GKJ 5/3/231

Coffeen

WELL/SAMPLE POINT G270

Purge Method: Deaerated Bladder pump

Date: 6/8/2023 Start Time: 0820 Finish/Sample Time: 0954

Well Depth (Bottom) From MP: 21.13 ft Min. Purge Volume: _____ Gal / L

Depth to Water From MP: 6.45 ft Total Purge Volume: 1500 Gal / L

Total Drawdown: 0.15 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 0845 | 6.78 | 100 | 6.55 | 801 | 14.67 | 70 | 11.12 | 90.6 |
| 2 | 0847 | 6.78 | 100 | 6.62 | 743 | 14.62 | 65 | 11.05 | 76.5 |
| 3 | 0849 | 6.78 | 100 | 6.63 | 782 | 14.61 | 61 | 11.03 | 54.6 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | ✓ | |
| Casing locked/secure | ✓ | |
| Well cap fits securely. | ✓ | |
| Good seal/drainage | ✓ | |
| Well has weep holes | ✓ | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P, 250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL |
| 1 | Ammonia (P, 250mL H2SO4) |
| 1 | (P, 250L, HNO3) |

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| Filtered | |
|----------|---------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 500mL) 1000mL |
| 3 | TOC (A,V, 40mL, H2SO4) |
| | |
| | |
| | |
| | |
| | |
| | |

Final DTW - 6.60 ft

Comments Transducer S/N 216 15537 sol Iron⁺² - 0.262 ppm
fish in well

Sampler's Signature: _____

Coffeen

WELL/SAMPLE POINT G271

Purge Method: Bladder

Date: 6/6/23 Start Time: 945 Finish/Sample Time: 1116

Well Depth (Bottom) From MP: 17.60 ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 9.56 ft Total Purge Volume: 1.8 Gal / L

End DW 10.91

Total Drawdown: 1.35 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1004 | 10.73 | 100 | 6.95 | 1110 | 17.15 | 144 | 2.59 | 0.0 |
| 2 | 1005 | 10.80 | 100 | 6.94 | 1120 | 17.15 | 140 | 2.60 | 0.0 |
| 3 | 1006 | 10.88 | 100 | 6.94 | 1120 | 17.13 | 137 | 2.55 | 0.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:
 Odor: None Slight Mod. Strong
 Color: None Slight Mod. Strong
 Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-------------------------------------|--------------------------|
| Well has ID sign | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Casing locked/secure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well cap fits securely. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Good seal/drainage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well has weep holes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000mL |
| 1 | 25 L HNO3 |
| 1 | Ammonia |

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| Filtered | |
|----------|----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000mL |
| 3 | TOC 40mL |
| | |
| | |
| | |
| | |
| | |
| | |

Comments Ferrous Iron = 0.148 ppm

Sampler's Signature: [Signature] For Joe Reed 6/23

Coffeen

WELL/SAMPLE POINT G272

Purge Method: Dedicated Pump

Date: 6/8/2023 Start Time: 1108 Finish/Sample Time: 1210

Well Depth (Bottom) From MP: 17.26 ft Min. Purge Volume: _____ Gal / L

Depth to Water From MP: 9.80 ft Total Purge Volume: 7500 Gal / L (ML)

Total Drawdown: 0.35 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------------------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1134 | 10.05 | 100 | 7.12 | 1320 | 17.06 | 102 | 1.22 | 15.2 |
| 2 | 1136 | 10.07 | 100 | 7.08 | 1340 | 17.12 | 101 | 1.19 | 8.1 |
| 3 | 1138 | 10.05 | 100 | 7.10 | 1330 | 17.15 | 100 | 1.15 | 4.9 |
| 4 | _____ | | | | | | | | |
| 5 | _____ | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:
 Odor: None Slight Mod. Strong
 Color: None Slight Mod. Strong
 Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | ✓ | |
| Casing locked/secure | ✓ | |
| Well cap fits securely. | | X |
| Good seal/drainage | ✓ | |
| Well has weep holes | ✓ | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250mL) 1000mL |

⑥

| Filtered | |
|----------|--------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| | Ammonia (P,250mL, H2SO4) |
| 1 | General (P,500mL) 1000mL |

fsna? DTW 10.15

Comments Transducer S/P 21615557

Sampler's Signature: [Signature]

Coffeen

WELL/SAMPLE POINT G273

Purge Method: Bladder

Date: 6/5/23 Start Time: 1355 Finish/Sample Time: 1525

Well Depth (Bottom) From MP: 17.94 ft Min. Purge Volume: 1.5 Gal/L

Depth to Water From MP: 10.80 ft Total Purge Volume: 1.8 Gal/L

End DTW 10.90

Total Drawdown: 0.10 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1415 | 11.02 | 100 | 6.59 | 1470 | 18.15 | 189 | 1.41 | 35.2 |
| 2 | 1416 | 11.03 | 100 | 6.58 | 1460 | 18.00 | 182 | 1.40 | 49.1 |
| 3 | 1417 | 11.07 | 100 | 6.57 | 1460 | 17.98 | 180 | 1.39 | 55.6 |
| 4 | | | | | | 17.98 | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | X | |
| Casing locked/secure | X | |
| Well cap fits securely. | X | |
| Good seal/drainage | X | |
| Well has weep holes | X | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000mL |
| 1 | Ammonia 2.5L HNO3 |

(15)

| Filtered | |
|----------|----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000mL |
| 3 | TOC 40mL |

Comments S/n - 21615564

Ferrous Iron = 0.224 ppm

Sampler's Signature: _____

Joseph R Red

Coffeen

WELL/SAMPLE POINT G274

Purge Method: Dedicated Bladder pump

Date: 6/18/2023 Start Time: 1004 Finish/Sample Time: 1104

Well Depth (Bottom) From MP: 20.36 ft Min. Purge Volume: _____ Gal / L

Depth to Water From MP: 14.48 ft Total Purge Volume: 1500 Gal / L (ML)

Total Drawdown: 0.12 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1028 | 14.64 | 100 | 6.99 | 1070 | 16.86 | 52 | 1.09 | 0.0 |
| 2 | 1030 | 14.64 | 100 | 6.99 | 1080 | 16.79 | 50 | 1.06 | 0.0 |
| 3 | 1032 | 14.64 | 100 | 7.02 | 1060 | 16.85 | 45 | 1.01 | 0.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horslab

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-------------------------------------|--------------------------|
| Well has ID sign | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Casing locked/secure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well cap fits securely. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Good seal/drainage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well has weep holes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|------------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) <u>1000 mL</u> |

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| Filtered | |
|----------|--|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, <u>500 mL</u>) <u>1000 mL</u> |

Pinon DTW 14.60 ft

Comments Transducer s/n 21629314

Sampler's Signature: [Signature]

Coffeen

WELL/SAMPLE POINT G275

Purge Method: Dedicated pump

Date: 6/8/23 Start Time: 0933 Finish/Sample Time: 1200

Well Depth (Bottom) From MP: 15.43 ft Min. Purge Volume: 1500 Gal/L mL

Depth to Water From MP: 13.38 ft Total Purge Volume: 1800 Gal/L mL
top of pump

Total Drawdown: — ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 0948 | top of pump | 100 | 6.97 | 1446.0 | 16.72 | 170.1 | 1.12 | 0.99 |
| 2 | 0950 | top of pump | 100 | 6.98 | 1435.7 | 16.74 | 170.0 | 1.13 | 1.61 |
| 3 | 0951 | top of pump | 100 | 6.97 | 1431.3 | 16.72 | 170.3 | 1.16 | 0.17 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Aquaroll 600

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | / | |
| Casing locked/secure | / | |
| Well cap fits securely. | / | |
| Good seal/drainage | / | |
| Well has weep holes | / | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-----------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 + 3 dup | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 + 1 dup | Metals (P,250mL, HNO3) |
| 1 + 1 dup | Cyanide (P, 250mL, NaOH) |
| 1 + 1 dup | Phenols (A,G,250mL, H2SO4) |
| 1 + 1 dup | General (P, 250mL) 1000 mL 5006/8 |
| 1 + 1 dup | Ammonia |
| 1 + 1 dup | P 2.5L HNO3 |

| Filtered | |
|-----------|----------------------------|
| Qty | Bottles |
| 1 + 1 dup | Metals (P,250mL, HNO3) |
| 1 + 1 dup | Ammonia (P,250mL, H2SO4) |
| | General (P,500mL) |
| 1 + 1 dup | General P 1000 ml |
| 3 + 3 dup | TOC |
| | |
| | |
| | |
| | |
| 0.103 ppm | Soluble Iron ⁺² |

Final DTW = top of pump

Comments DTW is top of pump. Water level is below top of pump.

Sampler's Signature: *James D. [Signature]*

Coffeen

WELL/SAMPLE POINT G275D

Purge Method: Dedicated pump

Date: 6/8/23 Start Time: 1205 Finish/Sample Time: 1313

Well Depth (Bottom) From MP: _____ ft Min. Purge Volume: 1500 Gal/L (NL)

Depth to Water From MP: 41.89 ft Total Purge Volume: 1800 Gal/L (NL)

Total Drawdown: 10.43 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1220 | 44.25 | 100 | 7.32 | 1568.3 | 17.10 | -115.3 | 0.18 | 84.63 |
| 2 | 1221 | 44.40 | 100 | 7.33 | 1567.9 | 17.05 | -116.5 | 0.18 | 85.94 |
| 3 | 1222 | 44.57 | 100 | 7.34 | 1560.0 | 17.02 | -115.8 | 0.18 | 83.26 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Aquatroll 600

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | / | |
| Casing locked/secure | / | |
| Well cap fits securely. | / | |
| Good seal/drainage | / | |
| Well has weep holes | / | / |

JMO 6/P

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-------------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| | Cyanide (P, 250mL, NaOH) |
| | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL JMO 6/8 |
| 1 | Ammonia |
| 1 | P 2.5L HNO3 |

| Filtered | |
|-----------|----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| | General (P,500mL) |
| 1 | General P 1000 mL |
| 3 | TOC |
| | |
| | |
| | |
| 1.102 ppm | Soluble Iron ²⁺ |

Final DTU = 52.32

Comments

Sampler's Signature: [Signature]

Coffeen

WELL/SAMPLE POINT G276

Purge Method: Bladder

Date: 6/5/23 Start Time: 1540 Finish/Sample Time: 1653

Well Depth (Bottom) From MP: 30.79 ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 26.84 ft Total Purge Volume: 1.8 Gal / L

End DTW 28.76

Total Drawdown: 1.92 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1600 | 27.45 | 100 | 6.55 | 1210 | 18.99 | 219 | 5.21 | 47.6 |
| 2 | 1601 | 24.47 | 100 | 6.54 | 1200 | 18.99 | 221 | 5.16 | 46.6 |
| 3 | 1602 | 27.50 | 100 | 6.54 | 1210 | 18.97 | 222 | 5.17 | 44.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-------------------------------------|--------------------------|
| Well has ID sign | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Casing locked/secure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well cap fits securely. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Good seal/drainage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well has weep holes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL |
| 1 | 2.52 HNO3 |
| 1 | Ammonia |

15

| Filtered | |
|----------|-----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 500 mL) 1000 mL |
| 3 | TOC |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Comments S/n - 21638043 Ferrous Iron = 0.161 ppm

Sampler's Signature: Joseph R Reed

Coffeen

WELL/SAMPLE POINT G277

Purge Method: Bladder

Date: 6/1/23 Start Time: 0855 Finish/Sample Time: 1027

Well Depth (Bottom) From MP: 21.55 ft
 Depth to Water From MP: 18.35 ft
 Water Column Length 3.20 ft.
 Min. Purge Volume: 1.5 Gal
 Total Purge Volume: 1.9 Gal
 Total Drawdown: 0.30 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 0925 | 18.63 | 100 | 6.56 | 1510 | 16.62 | 215 | 2.83 | 0.0 |
| 2 | 0926 | 18.64 | 100 | 6.58 | 1580 | 16.57 | 215 | 2.91 | 0.0 |
| 3 | 0927 | 18.65 | 100 | 6.58 | 1580 | 16.48 | 215 | 2.98 | 0.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:
 Odor: None Slight Mod. Strong
 Color: None Slight Mod. Strong
 Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-------------------------------------|--------------------------|
| Well has ID sign | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Casing locked/secure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well cap fits securely. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Good seal/drainage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well has weep holes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250mL) 1L |
| 1 | Ammonia (P, 250mL, H2SO4) |
| 1 | P, 2L, H2SO4 |

| Filtered | |
|----------|--------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 250mL) 1L |
| 3 | TOC (A,V, 40mL, H2SO4) |

Comments

Sampler's Signature: Brandon Deane

Coffeen

WELL/SAMPLE POINT G279

Purge Method: Bladder

Date: 6/1/23 Start Time: 1038 Finish/Sample Time: 1207

Well Depth (Bottom) From MP: 30.53 ft Min. Purge Volume: 1.5 Gal/L

Depth to Water From MP: 23.00 ft Total Purge Volume: 1.8 Gal/L

Total Drawdown: 0.10 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1059 | 23.15 | 100 | 6.63 | 4600 | 18.44 | 256 | 1.61 | 0.0 |
| 2 | 1100 | 23.18 | 100 | 6.62 | 4500 | 18.37 | 219 | 1.49 | 0.0 |
| 3 | 1101 | 23.20 | 100 | 6.62 | 4610 | 18.27 | 223 | 1.42 | 0.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-------------------------------------|--------------------------|
| Well has ID sign | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Casing locked/secure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well cap fits securely. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Good seal/drainage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Well has weep holes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250mL) 1L |
| 1 | Ammonia (P, 250mL, H2SO4) |
| 1 | P, 2L, H2SO4 |

| Filtered | |
|----------|--------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 250mL) 1L |
| 3 | TOC (A,V 40mL, H2SO4) |
| | |
| | |
| | |
| | |
| | |
| | |

Comments

Sampler's Signature: Brandon Blum

Coffeen

WELL/SAMPLE POINT G280

Purge Method: Dedicated pump

Date: 6/8/23 Start Time: 0805 Finish/Sample Time: 0925

Well Depth (Bottom) From MP: 20.38 ft Min. Purge Volume: 1500 Gal/L (2)

Depth to Water From MP: 4.47 ft Total Purge Volume: 1800 Gal/L (2)

Total Drawdown: 0.28 ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 0820 | 4.65 | 100 | 7.35 | 901.41 | 15.45 | 191.0 | 2.11 | 50.10 |
| 2 | 0822 | 4.65 | 100 | 7.35 | 905.73 | 15.48 | 190.4 | 2.08 | 48.70 |
| 3 | 0823 | 4.65 | 100 | 7.35 | 902.06 | 15.44 | 190.0 | 2.05 | 46.14 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Aquastroll 600

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | / | |
| Casing locked/secure | / | |
| Well cap fits securely. | / | / |
| Good seal/drainage | / | |
| Well has weep holes | / | |

JUN 6/8

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-------------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Cyanide (P, 250mL, NaOH) |
| 1 | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL JMD 6/8 |
| 1 | Ammonia |
| 1 | P 2.5L HNO3 |

| Filtered | |
|-----------|--------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| | General (P,500mL) |
| 1 | General 1000 mL |
| 3 | TOC |
| | |
| | |
| | |
| 0.000 ppm | Soluble Iron +2 |

Final DTW = 4.75

Comments

Sampler's Signature: [Signature]

Coffeen

WELL/SAMPLE POINT G283

Purge Method: Dedicated pump

Date: 6/8/23 Start Time: 1320 Finish/Sample Time: 1432

Well Depth (Bottom) From MP: _____ ft Min. Purge Volume: 1500 Gal/L (2)

Depth to Water From MP: 6.15 ft Total Purge Volume: 1800 Gal/L (2)

Total Drawdown: _____ ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|----------------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1336 | 5.28 6.43 | 100 | 7.08 | 1308.3 | 14.48 | -51.9 | 0.40 | 171.91 |
| 2 | 1337 | 6.43 | 100 | 7.08 | 1312.9 | 14.45 | -52.5 | 0.38 | 165.32 |
| 3 | 1338 | 6.44 | 100 | 7.08 | 1301.3 | 14.46 | -53.5 | 0.36 | 159.92 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Aquaroll 600

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | / | |
| Casing locked/secure | / | |
| Well cap fits securely. | / | |
| Good seal/drainage | / | |
| Well has weep holes | / | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|-------------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| | Cyanide (P, 250mL, NaOH) |
| | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL 340 6/8 |
| 1 | Ammonia |
| 1 | P 2.5L HNO3 |

| Filtered | |
|----------|----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| | General (P,500mL) |
| 1 | General P 1000 mL |
| 3 | TOC |
| | |
| | |
| | |
| | |
| 2.026 | Soluble Iron ²⁺ |

ppm

Final DTW = 6.33

Comments

Sampler's Signature: _____

[Handwritten Signature]

Coffeen

WELL/SAMPLE POINT G284

Purge Method: Dedicated pump

Date: 6/8/23 Start Time: 1402 Finish/Sample Time: 1516

Well Depth (Bottom) From MP: _____ ft Min. Purge Volume: 1500 Gal/L ml

Depth to Water From MP: 12.48 ft Total Purge Volume: 1900 Gal/L ml

Total Drawdown: _____ ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|--------------|------------|
| 1 | 1418 | 12.49 | 100 | 7.27 | 860.56 | 16.68 | 110.8 | 2.11 | 149.12 |
| 2 | 1419 | 12.49 | 100 | 7.25 | 858.84 | 16.71 | 111.1 | 2.09 | 142.97 |
| 3 | 1421 | 12.49 | 100 | 7.24 | 851.14 | 16.67 | 111.5 | 2.07 | 143.39 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

Field Meter: Aquastroll 600

Sample Appearance:

Odor: None Slight Mod. Strong

Color: None Slight Mod. Strong

Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | / | |
| Casing locked/secure | / | |
| Well cap fits securely. | / | |
| Good seal/drainage | / | |
| Well has weep holes | / | |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|------------------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAs (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| | Cyanide (P, 250mL, NaOH) |
| | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000 mL 3/26/8 |
| 1 | Ammonia |
| 1 | P 2.5L HNO3 |

| Filtered | |
|----------|----------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| | General (P,500mL) |
| 1 | General P 1000 mL |
| 3 | TOC |
| | |
| | |
| | |
| | |
| 0.058 | Soluble Iron ¹² |
| ppm | |

Comments Top of pump at 12.49'

Final Depth = top of pump

Sampler's Signature: _____

James Davis

Coffeen

WELL/SAMPLE POINT X201

Purge Method: boiler

Date: 6/7/2023 Start Time: 1213 Finish/Sample Time: 1236

Well Depth (Bottom) From MP: — ft Min. Purge Volume: — Gal / L

Depth to Water From MP: — ft Total Purge Volume: — Gal / L

Total Drawdown: — ft

| Reading (Units) | Time | Depth (ft.) | Flow Rate (mL/min) | pH (s.u.) | Spec Cond (umhos/cm) | Temp (deg C) | ORP (mV) | DO (mg/L) | Turb (NTU) |
|-----------------|------|-------------|--------------------|-----------|----------------------|--------------|----------|-------------|------------|
| 1 | 1219 | — | — | 6.324 | 22,400 | 28.67 | 127 | 5.16 | 3.7 |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ±0.2 | ±3% | ±0.2 | ±20 | ±10% or 0.2 | NA |

Field Meter: Horiba

Sample Appearance:
 Odor: None Slight Mod. Strong
 Color: None Slight Mod. Strong
 Turb: None Slight Mod Strong

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign | | X |
| Casing locked/secure | | X |
| Well cap fits securely. | | X |
| Good seal/drainage | | X |
| Well has weep holes | | X |

BOTTLE INFORMATION:

| Unfiltered | |
|------------|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| 3 | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| | Cyanide (P, 250mL, NaOH) |
| | Phenols (A,G,250mL, H2SO4) |
| 1 | General (P, 250 mL) 1000mL |
| 1 | Ammonia (P, 250mL, H2SO4) |

(12)

| Filtered | |
|----------|---------------------------|
| Qty | Bottles |
| 1 | Metals (P,250mL, HNO3) |
| 1 | Ammonia (P,250mL, H2SO4) |
| 1 | General (P, 500mL) 1000mL |
| 3 | TOC (A,V, 40mL, H2SO4) |
| | |
| | |
| | |
| | |
| | |
| | |

Comments Transducer SN - X201-21024091 Diss Iron¹² - 0.237 ppm

Sampler's Signature: [Signature]

Multiparameter Meter Field Calibration Checklist

| Field Personnel: <u>Kyle Lam</u> | | | Location: <u>Coffeen Power</u> | | | | | | |
|----------------------------------|---------------------|--------------------------|-------------------------------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| Weather: <u>85° Sunny</u> | | | Environment: <u>DRY</u> | | | | | | |
| Multiparameter Water Meter | Make: <u>HORIBA</u> | Model: <u>V-5000</u> | Serial Number: <u>YL9KJ9HA</u> | | | | | | |
| Water Level Meter | Make: <u>HERAN</u> | Model: <u>water face</u> | Serial Number: <u>19FF2202131ML</u> | | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <u>4.01</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>6.98</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>9.95</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <u>20.50</u> | µS/cm | 0<25 µS/cm | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <u>19.60</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | <u>NA</u> | Geotech | 2GE1442 | May-23 |
| ORP | <u>225</u> | mV | ±15 mV | <u>P</u> | <u>NA</u> | <u>NA</u> | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <u>0.04</u> | mg/L | ±0.1 | <u>P</u> | <u>NA</u> | <u>NA</u> | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <u>99.60</u> | % | 97-100% | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |

2G120824
 Exp. Nov 23
 Lot 2118

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: <u>11:40</u> | | |
|--|-------------|-------|------------|-----------|---------------|--------------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | <u>3.94</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | <u>7.06</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | <u>9.88</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GE820 | May-24 |
| SC 1000 | <u>9.80</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: <u>NA</u> | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <u>/</u> | s.u. | ±0.1 s.u. | <u>/</u> | <u>/</u> | <u>/</u> | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>/</u> | s.u. | ±0.1 s.u. | <u>/</u> | <u>/</u> | <u>/</u> | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>/</u> | s.u. | ±0.1 s.u. | <u>/</u> | <u>/</u> | <u>/</u> | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <u>/</u> | µS/cm | ±5% | <u>/</u> | <u>/</u> | <u>/</u> | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <u>/</u> | mg/L | ±0.1 mg/L | <u>/</u> | <u>/</u> | <u>/</u> | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <u>/</u> | NTU | <2 NTU | <u>/</u> | <u>/</u> | <u>/</u> | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: <u>16:24</u> | | | |
|---|--------------|-------|-----------|-----------|------------|--------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | <u>3.94</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L344-09 | 12/14/2023 |
| 7.00a | <u>6.99</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L343-07 | 12/9/2023 |
| 10.00a | <u>10.06</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <u>10.10</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | <u>NA</u> | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <u>0.01</u> | mg/L | ±0.1 mg/L | <u>P</u> | <u>NA</u> | <u>NA</u> | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

NA

| | |
|--------------------------|-----------------------|
| Signature: <u>N. Lam</u> | Date: <u>6-1-2023</u> |
|--------------------------|-----------------------|

Multiparameter Meter Field Calibration Checklist

| | | | | | |
|---|--------------------|----------------------|--------------------------------|--|--|
| Field Personnel: Aaron Pemberlon | | | Location: Coffeen | | |
| Weather: 71°-86° sunny w/smt SE at 4mp | | | Environment: grassy | | |
| Multiparameter Water Meter | Make: Hanna | Model: U5000 | Serial Number: PW264503 | | |
| Water Level Meter | Make: Heron | Model: Dipnet | Serial Number: 3717-7 | | |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|-------------|-------|------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | 3.98 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 9.98 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 13 | µS/cm | 0<25 µS/cm | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2090 | µS/cm | ±5% | P | NO | N/A | Geotech | 2GE1442 | May-23 |
| ORP | 214 | mV | ±15 mV | P | NO | N/A | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | P | NO | N/A | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 07.6 | % | 97-100% | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |

2G1762
Exp May 23
at 118

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: 0855 | 229 @ 25°C | | | |
|--|--------------|-------|------------|-----------|---------------|-------------------|-------------------|--------|--|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | | |
| pH 4.00b | 3.95 | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE870 | Mar-24 | | |
| pH 7.00b | 6.90 | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GC931 | Mar-24 | | |
| pH 10.00b | 10.08 | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE820 | May-24 | | |
| SC 1000 | 1030 | µS/cm | ±5% | P | N/A | Ricca | 4207N97 | Jul-24 | | |


Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: 1600 | | | | |
|---|--------------|-------|-----------|-----------|------------|-------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| pH 4.00a | 4.08 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 | |
| pH 7.00a | 7.03 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 | |
| pH 10.00a | 10.08 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | 967 | µS/cm | ±5% | P | NO | N/A | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | P | NO | N/A | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 | |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 | |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) | |

Comments:

| | |
|--|-----------------------|
| Signature:  | Date: 6/1/2023 |
|--|-----------------------|

Multiparameter Meter Field Calibration Checklist

| Field Personnel: JD | | | | Location: V.stry Coffeen | | | | | |
|--|-------------|-----------------|-----------------|------------------------------|------------|------------------|--------------|--------------------|-------------------|
| Weather: 72-88° F mostly wind SE 8 mph | | | | Environment: grass | | | | | |
| Multiparameter Water Meter | | Make: Aquatroll | Model: 600 | Serial Number: 762215 | | | | | |
| Water Level Meter | | Make: Heon | Model: Dipper-T | Serial Number: 11FF2209305ML | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.07 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.03 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.06 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 12.11 | µS/cm | 0<25 µS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2054.1 | µS/cm | ±5% | | | | Geotech | 2GE1442 | May-23 |
| ORP | 219.7 | mV | ±15 mV | | | | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.15 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

5th 6/1
 Lot # 26K086
 Exp. Nov/23

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: 0812 | | | |
|--|-------------|-------|------------|-----------|---------------|--------------|---------|--------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | |
| pH 4.00b | 4.09 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE870 | Mar-24 | |
| pH 7.00b | 6.98 | s.u. | ±0.15 s.u. | | | Geotech | 2GC931 | Mar-24 | |
| pH 10.00b | 9.93 | s.u. | ±0.15 s.u. | | | Geotech | 2GE820 | May-24 | |
| SC 1000 | 1038.0 | µS/cm | ±5% | | | Ricca | 4207N97 | Jul-24 | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: 1618 | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.10 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.10 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.09 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1044.1 | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | | | |
|------------|--|-------|---------|
| Signature: | | Date: | 6/11/23 |
|------------|--|-------|---------|

Multiparameter Meter Field Calibration Checklist

| | | | |
|---|---------------------|----------------------------------|--------------------------------|
| Field Personnel: Joe Reed | | Location: Coffeen Power | |
| Weather: 72-88°F mostly sunny 8 mph wind | | Environment: grass/gravel | |
| Multiparameter Water Meter | Make: Horiba | Model: U5000 | Serial Number: U4U1FVTF |
| Water Level Meter | Make: | Model: | Serial Number: |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | 4.01 | s.u. | ±0.1 s.u. | P | ↑ | | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | P | ↑ | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | P | ↑ | | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 1 | µS/cm | 0<25 µS/cm | P | ↑ | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | µS/cm | ±5% | P | ↑ | | Geotech | 2GE1442 | May-23 |
| ORP | 221 | mV | ±15 mV | P | ↑ | | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.05 | mg/L | ±0.1 | P | ↑ | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.7 | % | 97-100% | P | ↑ | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | ↑ | | Pace Labs | N/A (DI) | N/A (DI) |

26X0810
NOV 23
24 715

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | Time: 833 | | | |
|--|--------------|-------|------------|-----------|------------------|--------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 3.99 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | 6.99 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | 10.00 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GE820 | May-24 |
| SC 1000 | 990 | µS/cm | ±5% | P | N | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | Time: | | | | |
|---|--------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.02 | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1000 | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.05 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | Time: | | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|---------------------------------|---------------------|
| Signature: Joseph R Reed | Date: 6/1/23 |
|---------------------------------|---------------------|

Multiparameter Meter Field Calibration Checklist

| | | | |
|---|---------------------|---|--------------------------------|
| Field Personnel: <i>Alexander Pemberon</i> | | Location: <i>COFFEEN</i> | |
| Weather: <i>81°-83° Sunny Wind NE 10mph</i> | | Environment: <i>grass, gravel, dirt</i> | |
| Multiparameter Water Meter | Make: <i>HORIBA</i> | Model: <i>JS000</i> | Serial Number: <i>PW264503</i> |
| Water Level Meter | Make: <i>HERON</i> | Model: <i>D'OPER T</i> | Serial Number: <i>3717-7</i> |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------------|--------------------|---------------------------------|
| pH 4.00a | <i>4.01</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <i>7.00</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <i>10.06</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <i>0.00</i> | µS/cm | 0<25 µS/cm | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <i>2000</i> | µS/cm | ±5% | P | NO | N/A | Geotech <i>36A</i> | 2GE1442 | May 23 <i>Jan 24</i> |
| ORP | <i>222</i> | mV | ±15 mV | P | NO | N/A | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <i>0.09</i> | mg/L | ±0.1 | P | NO | N/A | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <i>10.24</i> | % | 97-100% | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <i>0.0</i> | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

230 @ 26°C

| ICV (Initial Calibration Verification) | | | | | | Time: <i>1150</i> | | |
|--|--------------|-------|------------|-----------|---------------|-------------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | <i>4.02</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | <i>6.90</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | <i>10.03</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE820 | May-24 |
| SC 1000 | <i>1019</i> | µS/cm | ±5% | P | N/A | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: <i>1721</i> | | | |
|---|--------------|-------|-----------|-----------|------------|-------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <i>4.01</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <i>6.99</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <i>10.04</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <i>1010</i> | µS/cm | ±5% | P | NO | N/A | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <i>0.04</i> | mg/L | ±0.1 mg/L | P | NO | N/A | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <i>0.0</i> | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|-------------------------------|-----------------------|
| Signature: <i>[Signature]</i> | Date: <i>6/9/2023</i> |
|-------------------------------|-----------------------|

Multiparameter Meter Field Calibration Checklist

| Field Personnel: JD | | | Location: Vista Coffeeen | | | | | | |
|---|-------------------------|------------------------|--------------------------------------|-------------|------------|------------------|--------------|--------------------|-------------------|
| Weather: 81-85°F Hazy sunny wind NE 10 mph | | | Environment: grass | | | | | | |
| Multiparameter Water Meter | Make: Aquatro II | Model: 600 | Serial Number: 762215 | | | | | | |
| Water Level Meter | Make: Heron | Model: Dipper-T | Serial Number: 11FF2209305 ML | | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.07 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.09 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.08 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 10.66 | µS/cm | 0<25 µS/cm | pass | N. | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2072.1 | µS/cm | ±5% | pass | N. | NA | Geotech | 2GE1442 | May-23 |
| ORP | 223.9 | mV | ±15 mV | pass | N. | NA | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | pass | N. | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.78 | % | 97-100% | pass | N. | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | pass | N. | NA | Pace Labs | N/A (DI) | N/A (DI) |

3rd 6/5
 Lot# 26K086
 Exp Nov/23

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: | | |
|--|---------------|-------|------------|-------------|---------------|--------------|---------|--------|
| | | | | | | 1131 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.09 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | 6.96 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | 9.97 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE820 | May-24 |
| SC 1000 | 1025.1 | µS/cm | ±5% | pass | NA | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|---------------|-------|-----------|-------------|------------|------------------|--------------|------------|------------|
| | | | | | | 1701 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a 3rd | 4.10 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.10 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.09 | s.u. | ±0.1 s.u. | pass | N. | NA | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1037.1 | µS/cm | ±5% | pass | N. | NA | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.08 | mg/L | ±0.1 mg/L | pass | N. | NA | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | pass | N. | NA | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| | | | | | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|------------|---------------------|
| Signature: | Date: 6/5/23 |
|------------|---------------------|

Multiparameter Meter Field Calibration Checklist

| Field Personnel: | J Reed | | | Location: | Coffeeen Power | | | | |
|----------------------------|----------------------------|---------|------------|--------------|----------------|------------------|--------------|------------|------------|
| Weather: | 65-86°F sunny wind 3-6 mph | | | Environment: | Gravel Road | | | | |
| Multiparameter Water Meter | Make: | Horiba | Model: | U5000 | Serial Number: | YL9KJ9HA | | | |
| Water Level Meter | Make: | Solinst | Model: | 101 | Serial Number: | 33459 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.00 | s.u. | ±0.1 s.u. | P | N | | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | P | N | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 9.98 | s.u. | ±0.1 s.u. | P | N | | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 0.0 | µS/cm | 0<25 µS/cm | P | N | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | µS/cm | ±5% | P | N | | Geotech | 2GE1442 | May-23 |
| ORP | 230 | mV | ±15 mV | P | N | | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.04 | mg/L | ±0.1 | P | N | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.2 | % | 97-100% | P | N | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | N | | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification)

| | | | | | | Time: | 850 | | | |
|-----------|-------------|-------|------------|-----------|---------------|--------------|---------|--------|--|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | | |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GE870 | Mar-24 | | |
| pH 7.00b | 7.02 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GC931 | Mar-24 | | |
| pH 10.00b | 9.98 | s.u. | ±0.15 s.u. | P | N | Geotech | 2GE820 | May-24 | | |
| SC 1000 | 1010 | µS/cm | ±5% | P | N | Ricca | 4207N97 | Jul-24 | | |

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification)

| | | | | | | Time: | | | | |
|----------------|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| pH 4.00a | 4.02 | s.u. | ±0.1 s.u. | P | N | | MSI | L344-09 | 12/14/2023 | |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | P | N | | MSI | L343-07 | 12/9/2023 | |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | P | N | | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | 1020 | µS/cm | ±5% | P | N | | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | 0.05 | mg/L | ±0.1 mg/L | P | N | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | 0:0 | NTU | <2 NTU | P | N | | Pace Labs | N/A (DI) | N/A (DI) | |

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification)

| | | | | | | Time: | | | | |
|----------------|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 | |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 | |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) | |

Comments:

| | | | | | | | | | |
|------------|---------------|--|--|-------|--------|--|--|--|--|
| Signature: | Joseph P Reed | | | Date: | 6/6/23 | | | | |
|------------|---------------|--|--|-------|--------|--|--|--|--|

2G1762
 Nov 23
 715

24.14°

Multiparameter Meter Field Calibration Checklist

Field Personnel: Kyle Lane Location: Coffeen Power

Weather: 64° to 86° Sunny Environment: Dry

Multiparameter Water Meter Make: Horiba Model: J-500 Serial Number: V4V1FVTF

Water Level Meter Make: Hera Model: Water tape Serial Number: 19FF2202131ML

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------|------------|------------|
| pH 4.00a | <u>4.00</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>6.95</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>9.90</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <u>18.00</u> | µS/cm | 0<25 µS/cm | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <u>2030</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | <u>NA</u> | Geotech | 2GE1442 | May-23 |
| ORP | <u>254</u> | mV | ±15 mV | <u>P</u> | <u>NA</u> | <u>NA</u> | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <u>0.04</u> | mg/L | ±0.1 | <u>P</u> | <u>NA</u> | <u>NA</u> | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <u>97.60</u> | % | 97-100% | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |

2GK086
 NOV. 23
 CW 715

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 10:57

| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
|-----------|-------------|-------|------------|-----------|---------------|--------------|---------|--------|
| pH 4.00b | <u>4.02</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | <u>7.04</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | <u>9.99</u> | s.u. | ±0.15 s.u. | <u>P</u> | <u>NA</u> | Geotech | 2GE820 | May-24 |
| SC 1000 | <u>990</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: NA

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| pH 4.00a | <u>NA</u> | s.u. | ±0.1 s.u. | <u>NA</u> | <u>NA</u> | <u>NA</u> | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>NA</u> | s.u. | ±0.1 s.u. | <u>NA</u> | <u>NA</u> | <u>NA</u> | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>NA</u> | s.u. | ±0.1 s.u. | <u>NA</u> | <u>NA</u> | <u>NA</u> | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <u>NA</u> | µS/cm | ±5% | <u>NA</u> | <u>NA</u> | <u>NA</u> | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <u>NA</u> | mg/L | ±0.1 mg/L | <u>NA</u> | <u>NA</u> | <u>NA</u> | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <u>NA</u> | NTU | <2 NTU | <u>NA</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 16:53

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| 4.00a | <u>4.01</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L344-09 | 12/14/2023 |
| 7.00a | <u>6.98</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | L343-07 | 12/9/2023 |
| 10.00a | <u>9.94</u> | s.u. | ±0.1 s.u. | <u>P</u> | <u>NA</u> | <u>NA</u> | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <u>1010</u> | µS/cm | ±5% | <u>P</u> | <u>NA</u> | <u>NA</u> | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <u>0.05</u> | mg/L | ±0.1 mg/L | <u>P</u> | <u>NA</u> | <u>NA</u> | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | <u>P</u> | <u>NA</u> | <u>NA</u> | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

Signature: [Signature] Date: 10-6-23

Multiparameter Meter Field Calibration Checklist

| | | | |
|--|------------------------|----------------------------------|-------------------------------------|
| Field Personnel: JD | | Location: Vista Coffeen | |
| Weather: 70-87°F mostly sunny wind N 5mph | | Environment: grass, reeds | |
| Multiparameter Water Meter | Make: Aquatroll | Model: 600 | Serial Number: 762215 |
| Water Level Meter | Make: Heron | Model: Dipper-T | Serial Number: 11FF2209305ML |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|---------------|-------|------------|-------------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | 4.08 | s.u. | ±0.1 s.u. | pass | Yes | 4.00 | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.11 | s.u. | ±0.1 s.u. | fail | Yes | 7.01 | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.12 | s.u. | ±0.1 s.u. | fail | Yes | 10.02 | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 9.91 | µS/cm | 0<25 µS/cm | pass | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2046.9 | µS/cm | ±5% | | | | Geotech | 2GE1442 | May-23 |
| ORP | 227.7 | mV | ±15 mV | | | | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.55 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Sno 616
Lot # 2GK086
Exp. Nov/23

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | | Time: 0825 | | |
|--|---------------|-------|------------|-------------|---------------|--------------|-------------------|--------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE870 | Mar-24 | |
| pH 7.00b | 6.86 | s.u. | ±0.15 s.u. | | | Geotech | 2GC931 | Mar-24 | |
| pH 10.00b | 9.86 | s.u. | ±0.15 s.u. | | | Geotech | 2GE820 | May-24 | |
| SC 1000 | 1031.0 | µS/cm | ±5% | | | Ricca | 4207N97 | Jul-24 | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | | Time: 1614 | | |
|---|---------------|-------|-----------|-------------|------------|------------------|-------------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.07 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.07 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1043.5 | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.10 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.21 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | | Time: | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|------------|---------------------|
| Signature: | Date: 6/6/23 |
|------------|---------------------|

Multiparameter Meter Field Calibration Checklist

| Field Personnel: <u>Aaron Pemberlon</u> | | | | Location: <u>COFFEEN</u> | | | | | |
|--|--------------|--------------------|----------------------|---|------------|------------------|--------------|--------------------|-------------------|
| Weather: <u>73° & 86° wind NW Sunny High</u> | | | | Environment: <u>grass, gravel, dirt</u> | | | | | |
| Multiparameter Water Meter | | Make: <u>Hanna</u> | Model: <u>MS000</u> | Serial Number: <u>PW257603</u> | | | | | |
| Water Level Meter | | Make: <u>Heron</u> | Model: <u>D:APPT</u> | Serial Number: <u>3717-7</u> | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <u>3.94</u> | s.u. | ±0.1 s.u. | I | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>7.00</u> | s.u. | ±0.1 s.u. | I | I | I | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>10.06</u> | s.u. | ±0.1 s.u. | I | I | I | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <u>0.0</u> | µS/cm | 0<25 µS/cm | I | I | I | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <u>1960</u> | µS/cm | ±5% | I | I | I | Geotech | 2GE1442 | May-23 |
| ORP | <u>229</u> | mV | ±15 mV | I | I | I | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <u>0.09</u> | mg/L | ±0.1 | I | I | I | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <u>100.0</u> | % | 97-100% | I | I | I | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | I | I | I | Pace Labs | N/A (DI) | N/A (DI) |

2GL0816
Nov 23
DA 117

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: <u>0900</u> | | | |
|--|-------------|-------|------------|-----------|---------------|-------------------|---------|--------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | |
| pH 4.00b | <u>4.00</u> | s.u. | ±0.15 s.u. | I | N/A | Geotech | 2GE870 | Mar-24 | |
| pH 7.00b | <u>6.89</u> | s.u. | ±0.15 s.u. | I | I | Geotech | 2GC931 | Mar-24 | |
| pH 10.00b | <u>9.95</u> | s.u. | ±0.15 s.u. | I | I | Geotech | 2GE820 | May-24 | |
| SC 1000 | <u>980</u> | µS/cm | ±5% | I | I | Ricca | 4207N97 | Jul-24 | |

237 @ 19°C

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: <u>16:48</u> | | | |
|---|--------------|-------|-----------|-----------|------------|--------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <u>4.06</u> | s.u. | ±0.1 s.u. | I | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <u>7.01</u> | s.u. | ±0.1 s.u. | I | I | I | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <u>10.08</u> | s.u. | ±0.1 s.u. | I | I | I | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <u>989</u> | µS/cm | ±5% | I | I | I | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <u>0.09</u> | mg/L | ±0.1 mg/L | I | I | I | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <u>0.0</u> | NTU | <2 NTU | I | I | I | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | | | |
|------------|---|-------|-----------------|
| Signature: |  | Date: | <u>6/6/2023</u> |
|------------|---|-------|-----------------|

Multiparameter Meter Field Calibration Checklist

| | | | | | |
|-----------------------------------|---------------------|-------------------------|------------------------------------|--|--|
| Field Personnel: Kyle Lane | | | Location: Coffeen Power | | |
| Weather: 81° CLOUDY | | | Environment: Dry | | |
| Multiparameter Water Meter | Make: HORIBA | Model: U-5000 | Serial Number: V4V1FVTF | | |
| Water Level Meter | Make: HERON | Model: WATER TAP | Serial Number: 19FF2202131M | | |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | 4.03 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 6.92 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 9.99 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 19.20 | µS/cm | 0<25 µS/cm | P | NA | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 14.70 | µS/cm | ±5% | P | NA | NA | Geotech | 2GE1442 | May-23 |
| ORP | 214 | mV | ±15 mV | P | NA | NA | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.08 | mg/L | ±0.1 | P | NA | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.20 | % | 97-100% | P | NA | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0 | NTU | <2 NTU | P | NA | NA | Pace Labs | N/A (DI) | N/A (DI) |

2640820
Nov. 23
CH 717

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: 08.30 | | |
|--|-------------|-------|------------|-----------|---------------|--------------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | P | NA | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | 7.98 | s.u. | ±0.15 s.u. | P | NA | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | 9.88 | s.u. | ±0.15 s.u. | P | NA | Geotech | 2GE820 | May-24 |
| SC 1000 | 9.80 | µS/cm | ±5% | P | NA | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: NA | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | M082-04 | 3/25/2024 |
| SC 1000 | / | µS/cm | ±5% | / | / | / | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | / | mg/L | ±0.1 mg/L | / | / | / | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | / | NTU | <2 NTU | / | / | / | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: 14.06 | | | |
|---|--------------|-------|-----------|-----------|------------|--------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | 3.89 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | L344-09 | 12/14/2023 |
| 7.00a | 6.97 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | L343-07 | 12/9/2023 |
| 10.00a | 9.98 | s.u. | ±0.1 s.u. | P | NA | NA | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 10.30 | µS/cm | ±5% | P | NA | NA | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.06 | mg/L | ±0.1 mg/L | P | NA | NA | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | NA | NA | Pace Labs | N/A (DI) | N/A (DI) |

Comments: **NA**

| | |
|---|-----------------------|
| Signature: [Handwritten Signature] | Date: 6-7-2023 |
|---|-----------------------|

Multiparameter Meter Field Calibration Checklist

| | | | |
|---|------------------------|----------------------------------|-------------------------------------|
| Field Personnel: JD | | Location: Vista Coffeen | |
| Weather: 66-78°F cloudy wind NE 8mph | | Environment: grass, reeds | |
| Multiparameter Water Meter | Make: Aquatroll | Model: 600 | Serial Number: 762215 |
| Water Level Meter | Make: Heron | Model: Diaper-T | Serial Number: 11FF2209305ML |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|---------------|-------|------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | 4.01 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 9.98 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 9.72 | µS/cm | 0<25 µS/cm | pass | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2086.7 | µS/cm | ±5% | pass | No | NA | Geotech | 2GE1442 | May-23 |
| ORP | 226.1 | mV | ±15 mV | pass | No | NA | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | pass | No | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.09 | % | 97-100% | pass | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | pass | No | NA | Pace Labs | N/A (DI) | N/A (DI) |

SMO 6/7
 Lot #
 ZGK086
 Exp. Nov/23

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: 0825 | | | |
|--|--------------|-------|------------|-----------|---------------|-------------------|---------|--------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | |
| pH 4.00b | 4.04 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE870 | Mar-24 | |
| pH 7.00b | 6.90 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GC931 | Mar-24 | |
| pH 10.00b | 9.86 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE820 | May-24 | |
| SC 1000 | 992.0 | µS/cm | ±5% | pass | NA | Ricca | 4207N97 | Jul-24 | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: 1722 | | | |
|---|---------------|-------|-----------|-----------|------------|-------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.06 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.04 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1026.9 | µS/cm | ±5% | pass | No | NA | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | pass | No | NA | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | pass | No | NA | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|------------|---------------------|
| Signature: | Date: 6/7/23 |
|------------|---------------------|

Multiparameter Meter Field Calibration Checklist

| | |
|---|---------------------------------|
| Field Personnel: <i>Aaron Pemberton</i> | Location: <i>Coffeen</i> |
| Weather: <i>60% - 70% cloudy wind NE 5mph</i> | Environment: <i>grass, dirt</i> |

| | | | |
|----------------------------|--------------------|---------------------|--------------------------------|
| Multiparameter Water Meter | Make: <i>Hanna</i> | Model: <i>USCOO</i> | Serial Number: <i>PW26YJ03</i> |
|----------------------------|--------------------|---------------------|--------------------------------|

| | | | |
|-------------------|--------------------|----------------------|------------------------------|
| Water Level Meter | Make: <i>Heron</i> | Model: <i>D:part</i> | Serial Number: <i>3717-7</i> |
|-------------------|--------------------|----------------------|------------------------------|

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------|------------|-------------------|
| pH 4.00a | <i>3.01</i> | s.u. | ±0.1 s.u. | <i>P</i> | <i>NO</i> | — | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <i>7.68</i> | s.u. | ±0.1 s.u. | <i>P</i> | <i>YES</i> | <i>7.00</i> | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <i>10.04</i> | s.u. | ±0.1 s.u. | <i>P</i> | <i>NO</i> | — | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <i>0.0</i> | µS/cm | 0<25 µS/cm | <i>P</i> | <i>NO</i> | — | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <i>2090</i> | µS/cm | ±5% | <i>P</i> | <i>NO</i> | — | Geotech | 2GE1442 | May-23 |
| ORP | <i>220</i> | mV | ±15 mV | <i>P</i> | <i>NO</i> | — | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <i>0.04</i> | mg/L | ±0.1 | <i>P</i> | <i>NO</i> | — | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <i>99.3</i> | % | 97-100% | <i>P</i> | <i>NO</i> | — | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <i>1.3</i> | NTU | <2 NTU | <i>P</i> | <i>NO</i> | — | Pace Labs | N/A (DI) | N/A (DI) |

*2GK086
Nov. 23
7/3*

Approx. every 4 hrs, unless only one well

230 @ 24°C

| ICV (Initial Calibration Verification) | | | | | | Time: | | | | |
|--|--------------|-------|------------|-----------|---------------|--------------|---------|--------|--|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. | | |
| pH 4.00b | <i>4.02</i> | s.u. | ±0.15 s.u. | <i>P</i> | — | Geotech | 2GE870 | Mar-24 | | |
| pH 7.00b | <i>7.08</i> | s.u. | ±0.15 s.u. | <i>P</i> | — | Geotech | 2GC931 | Mar-24 | | |
| pH 10.00b | <i>10.10</i> | s.u. | ±0.15 s.u. | <i>P</i> | — | Geotech | 2GE820 | May-24 | | |
| SC 1000 | <i>989</i> | µS/cm | ±5% | <i>P</i> | — | Ricca | 4207N97 | Jul-24 | | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | | |
|---|--------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| pH 4.00a | <i>4.06</i> | s.u. | ±0.1 s.u. | <i>I</i> | <i>NO</i> | <i>N/A</i> | MSI | L344-09 | 12/14/2023 | |
| pH 7.00a | <i>7.07</i> | s.u. | ±0.1 s.u. | <i>I</i> | | | MSI | L343-07 | 12/9/2023 | |
| pH 10.00a | <i>10.09</i> | s.u. | ±0.1 s.u. | <i>I</i> | | | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | <i>1030</i> | µS/cm | ±5% | <i>I</i> | | | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | <i>0.04</i> | mg/L | ±0.1 mg/L | <i>I</i> | | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | <i>0.0</i> | NTU | <2 NTU | <i>I</i> | | | Pace Labs | N/A (DI) | N/A (DI) | |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|--|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 | |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 | |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 | |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 | |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) | |

Comments:

| | |
|--|-----------------------|
| Signature:  | Date: <i>6/7/2023</i> |
|--|-----------------------|

Multiparameter Meter Field Calibration Checklist

| Field Personnel: JD | | | Location: Vista Coffee | | | | | | |
|--|---------------|------------------------|-------------------------------|-------------------------------------|------------|------------------|--------------|--------------------|-------------------|
| Weather: 59-78° F hazy sun wind NNE 8 mph | | | Environment: grass | | | | | | |
| Multiparameter Water Meter | | Make: Aquatrill | Model: 600 | Serial Number: 762215 | | | | | |
| Water Level Meter | | Make: Heron | Model: Dipper-T | Serial Number: 11FF2209305ML | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.00 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | 4.34 | µS/cm | 0<25 µS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2033.8 | µS/cm | ±5% | | | | Geotech | 2GE1442 | May-23 |
| ORP | 230.7 | mV | ±15 mV | | | | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | 0.08 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.39 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Lot #
26K086
 Exp Nov/23
575 618

Approx. every 4 hrs, unless only one well

| ICV (Initial Calibration Verification) | | | | | | Time: 0748 | | |
|--|---------------|-------|------------|-----------|---------------|-------------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.02 | s.u. | ±0.15 s.u. | pass | NA | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | 6.89 | s.u. | ±0.15 s.u. | | | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | 9.87 | s.u. | ±0.15 s.u. | | | Geotech | 2GE820 | May-24 |
| SC 1000 | 1028.9 | µS/cm | ±5% | | | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: 1635 | | | |
|---|---------------|-------|-----------|-----------|------------|-------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.04 | s.u. | ±0.1 s.u. | pass | No | NA | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | 7.05 | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | 10.04 | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | 1037.6 | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | 0.10 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.34 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | |
|--|----------------------|
| Signature: James D. [Signature] | Date: 6/18/23 |
|--|----------------------|

Multiparameter Meter Field Calibration Checklist

| | | | |
|---|---------------------|---------------------------------|--------------------------------|
| Field Personnel: <i>Arron Pumberla</i> | | Location: <i>coffeen</i> | |
| Weather: <i>58°-78° Sunny Wind NE at 6mph</i> | | Environment: <i>grass field</i> | |
| Multiparameter Water Meter | Make: <i>HORIBA</i> | Model: <i>V5000</i> | Serial Number: <i>PJ26YJ03</i> |
| Water Level Meter | Make: <i>HERON</i> | Model: <i>DIPART</i> | Serial Number: <i>3717-T</i> |

| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
|----------------|--------------|-------|------------|-----------|------------|------------------|--------------|--------------------|-------------------|
| pH 4.00a | <i>4.00</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <i>7.01</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <i>10.03</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 |
| SC Zero (DI) | <i>0.00</i> | µS/cm | 0<25 µS/cm | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | <i>2000</i> | µS/cm | ±5% | P | NO | N/A | Geotech | 2GE1442 | May-23 |
| ORP | <i>232</i> | mV | ±15 mV | P | NO | N/A | InSitu | 2G1762 | Jun-23 |
| DO (Zero pt) | <i>0.09</i> | mg/L | ±0.1 | P | NO | N/A | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | <i>99.9</i> | % | 97-100% | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | <i>0.0</i> | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well *242 @ 15°C*

*2G1762
Nov. 23
Exp. 7/23*

| ICV (Initial Calibration Verification) | | | | | | Time: <i>0800</i> | | |
|--|--------------|-------|------------|-----------|---------------|-------------------|---------|--------|
| Buffer | Check Value | Units | Range | Pass/Fail | Action Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | <i>3.96</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE870 | Mar-24 |
| pH 7.00b | <i>6.66</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GC931 | Mar-24 |
| pH 10.00b | <i>10.00</i> | s.u. | ±0.15 s.u. | P | N/A | Geotech | 2GE820 | May-24 |
| SC 1000 | <i>993</i> | µS/cm | ±5% | P | N/A | Ricca | 4207N97 | Jul-24 |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: <i>1734</i> | | | |
|---|--------------|-------|-----------|-----------|------------|-------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | <i>4.07</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L344-09 | 12/14/2023 |
| pH 7.00a | <i>7.03</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | L343-07 | 12/9/2023 |
| pH 10.00a | <i>10.09</i> | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | M082-04 | 3/25/2024 |
| SC 1000 | <i>999</i> | µS/cm | ±5% | P | NO | N/A | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | <i>0.09</i> | mg/L | ±0.1 mg/L | P | NO | N/A | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | <i>0.0</i> | NTU | <2 NTU | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |

Approx. every 4 hrs, unless only one well

| CCV (Continued Calibration Verification): | | | | | | Time: | | | |
|---|-------------|-------|-----------|-----------|------------|------------------|--------------|------------|------------|
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | | s.u. | ±0.1 s.u. | | | | MSI | L344-09 | 12/14/2023 |
| 7.00a | | s.u. | ±0.1 s.u. | | | | MSI | L343-07 | 12/9/2023 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | M082-04 | 3/25/2024 |
| SC 1000 | | µS/cm | ±5% | | | | Ricca | 4207N97 | Jul-24 |
| DO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |

Comments:

| | | | |
|------------|--------------------|-------|-----------------|
| Signature: | <i>[Signature]</i> | Date: | <i>6/8/2023</i> |
|------------|--------------------|-------|-----------------|



August 17, 2023

Brian Voelker
Vistra - Coffeen
1500 Eastport Plaza Drive
Collinsville, IL 62234

Dear Brian Voelker:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

A handwritten signature in cursive script that reads "Gail Schindler".

Gail Schindler
Project Manager
(309) 692-9688 x1716
gail.schindler@pacelabs.com

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF00183

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF00247

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF00917

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF01342

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF01733

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| YES | Zero headspace, <6 mm present in VOA vials |
| YES | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order GF01900

| | |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

ANALYTICAL RESULTS

Sample: GF00183-01
Name: G302
Matrix: Ground Water - Grab

Sampled: 05/31/23 16:00
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-----|-------|--|--|---|-----|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.5 | pCi/L | | | 1 | 0.7 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|-----|-------|--|--|---|-----|----------------|--|-------------|

Sample: GF00183-02
Name: G302 DUP
Matrix: Ground Water - Grab

Sampled: 05/31/23 16:00
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 2.46 | pCi/L | | | 1 | 0.673 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-03
Name: G303
Matrix: Ground Water - Grab

Sampled: 05/31/23 17:23
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.22 | pCi/L | | | 1 | 0.652 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-04
Name: G316
Matrix: Ground Water - Grab

Sampled: 05/31/23 10:33
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.81 | pCi/L | | | 1 | 0.544 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF00183-05
Name: G406
Matrix: Ground Water - Grab

Sampled: 05/31/23 16:45
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.262 U | pCi/L | | | 1 | 0.778 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-06
Name: G406 DUP
Matrix: Ground Water - Grab

Sampled: 05/31/23 16:45
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.482 J | pCi/L | | | 1 | 0.597 | 07/06/23 21:21 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-07
Name: G407
Matrix: Ground Water - Grab

Sampled: 05/31/23 14:09
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.792 | pCi/L | | | 1 | 0.589 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-08
Name: G410
Matrix: Ground Water - Grab

Sampled: 05/31/23 13:27
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 3.15 | pCi/L | | | 1 | 0.624 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF00183-09
Name: G411
Matrix: Ground Water - Grab

Sampled: 05/31/23 12:00
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.623 J | pCi/L | | | 1 | 0.642 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-10
Name: G314D
Matrix: Ground Water - Grab

Sampled: 06/01/23 09:38
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 2.54 | pCi/L | | | 1 | 0.616 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-11
Name: G314
Matrix: Ground Water - Grab

Sampled: 06/01/23 10:47
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.924 | pCi/L | | | 1 | 0.483 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00183-12
Name: G218
Matrix: Ground Water - Grab

Sampled: 06/01/23 11:12
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.05 | pCi/L | | | 1 | 0.668 | 07/10/23 16:46 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF00183-13
Name: G310
Matrix: Ground Water - Grab

Sampled: 06/01/23 12:42
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 1.52 | pCi/L | | | 1 | 0.576 | 07/10/23 16:46 | | 904.0 903.0 |

Sample: GF00183-14
Name: G312
Matrix: Ground Water - Grab

Sampled: 06/01/23 14:01
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.845 | pCi/L | | | 1 | 0.543 | 07/10/23 16:46 | | 904.0 903.0 |

Sample: GF00183-15
Name: G279
Matrix: Ground Water - Grab

Sampled: 06/01/23 12:07
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|---------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.107 U | pCi/L | | | 1 | 0.651 | 07/10/23 16:46 | | 904.0 903.0 |

Sample: GF00183-16
Name: G277
Matrix: Ground Water - Grab

Sampled: 06/01/23 10:27
Received: 06/01/23 13:59
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 1.05 | pCi/L | | | 1 | 0.526 | 07/10/23 16:46 | | 904.0 903.0 |

ANALYTICAL RESULTS

Sample: GF00247-01
Name: G151
Matrix: Ground Water - Grab

Sampled: 06/01/23 14:34
Received: 06/02/23 07:00
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|---------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.268 U | pCi/L | | | 1 | 0.724 | 07/06/23 21:21 | | 904.0 903.0 |

Sample: GF00247-02
Name: G215
Matrix: Ground Water - Grab

Sampled: 06/01/23 15:32
Received: 06/02/23 07:00
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.881 | pCi/L | | | 1 | 0.864 | 07/06/23 21:21 | | 904.0 903.0 |

Sample: GF00247-03
Name: G308
Matrix: Ground Water - Grab

Sampled: 06/01/23 15:52
Received: 06/02/23 07:00
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|---------|-------|-----------|----------|----------|------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.481 J | pCi/L | | | 1 | 0.73 | 07/06/23 21:21 | | 904.0 903.0 |

Sample: GF00917-01
Name: G276
Matrix: Ground Water - Grab

Sampled: 06/05/23 16:53
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|--------|-------|-----------|----------|----------|-------|----------------|---------|-------------|
| Miscellaneous - Pace Analytical - Mt Juliet, Tn | | | | | | | | | |
| Rad 226 and 228-Subcontract | 0.966 | pCi/L | | | 1 | 0.558 | 07/14/23 16:39 | | 904.0 903.0 |

ANALYTICAL RESULTS

Sample: GF00917-02
Name: G273
Matrix: Ground Water - Grab

Sampled: 06/05/23 15:25
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.248 U | pCi/L | | | 1 | 0.548 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00917-03
Name: G307
Matrix: Ground Water - Grab

Sampled: 06/05/23 13:05
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.528 J | pCi/L | | | 1 | 0.539 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00917-04
Name: G307D
Matrix: Ground Water - Grab

Sampled: 06/05/23 14:20
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.02 | pCi/L | | | 1 | 0.72 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|------|----------------|--|-------------|

Sample: GF00917-05
Name: G306
Matrix: Ground Water - Grab

Sampled: 06/05/23 15:43
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.0900 U | pCi/L | | | 1 | 0.569 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF00917-06
Name: G152
Matrix: Ground Water - Grab

Sampled: 06/06/23 10:43
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.513 J | pCi/L | | | 1 | 0.983 | 07/14/23 21:08 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00917-07
Name: G153
Matrix: Ground Water - Grab

Sampled: 06/06/23 12:20
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.146 U | pCi/L | | | 1 | 0.974 | 07/14/23 21:08 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00917-08
Name: G154
Matrix: Ground Water - Grab

Sampled: 06/06/23 13:45
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.993 | pCi/L | | | 1 | 0.752 | 07/14/23 21:08 | | 904.0 903.0 |
| Rad 226 -Subcontract | 0.141 J | pCi/L | | | 1 | 0.31 | 07/14/23 21:08 | | 904.0 903.0 |
| Rad 228- Subcontract | 0.852 | pCi/L | | | 1 | 0.685 | 07/14/23 21:08 | | 904.0 904.0 |

Sample: GF00917-09
Name: G271
Matrix: Ground Water - Grab

Sampled: 06/06/23 11:16
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 2.32 | pCi/L | | | 1 | 0.765 | 07/14/23 21:08 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF00917-10
Name: G305
Matrix: Ground Water - Grab

Sampled: 06/06/23 09:58
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.63 | pCi/L | | | 1 | 0.675 | 07/14/23 21:08 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF00917-11
Name: G405
Matrix: Ground Water - Grab

Sampled: 06/06/23 13:07
Received: 06/06/23 17:25
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.68 | pCi/L | | | 1 | 0.972 | 07/14/23 21:08 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-01
Name: G301
Matrix: Ground Water - Grab

Sampled: 06/06/23 16:38
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|----------|-------|--|--|---|------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.0829 U | pCi/L | | | 1 | 0.97 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|----------|-------|--|--|---|------|----------------|--|-------------|

Sample: GF01342-02
Name: G313
Matrix: Ground Water - Grab

Sampled: 06/06/23 15:15
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.879 | pCi/L | | | 1 | 0.843 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01342-03
Name: G313 DUP
Matrix: Ground Water - Grab

Sampled: 06/06/23 15:15
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.325 J | pCi/L | | | 1 | 0.755 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-04
Name: G402
Matrix: Ground Water - Grab

Sampled: 06/06/23 16:05
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.22 | pCi/L | | | 1 | 0.723 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-05
Name: G315
Matrix: Ground Water - Grab

Sampled: 06/07/23 10:02
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.344 J | pCi/L | | | 1 | 0.672 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-06
Name: G403
Matrix: Ground Water - Grab

Sampled: 06/07/23 11:25
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.91 | pCi/L | | | 1 | 0.644 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01342-07
Name: G404
Matrix: Ground Water - Grab

Sampled: 06/07/23 12:51
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.36 | pCi/L | | | 1 | 0.514 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-08
Name: G1001
Matrix: Ground Water - Grab

Sampled: 06/07/23 10:24
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.917 | pCi/L | | | 1 | 0.744 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-09
Name: G401
Matrix: Ground Water - Grab

Sampled: 06/07/23 11:58
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.628 J | pCi/L | | | 1 | 0.665 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01342-10
Name: G155
Matrix: Ground Water - Grab

Sampled: 06/07/23 10:08
Received: 06/07/23 17:02
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-----|-------|--|--|---|------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.3 | pCi/L | | | 1 | 1.08 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|-----|-------|--|--|---|------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01733-01
Name: G212
Matrix: Ground Water - Grab

Sampled: 06/07/23 15:35
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.194 U | pCi/L | | | 1 | 0.838 | 07/13/23 20:53 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-02
Name: G213
Matrix: Ground Water - Grab

Sampled: 06/07/23 16:49
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.399 J | pCi/L | | | 1 | 0.642 | 07/13/23 20:53 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-03
Name: G200
Matrix: Ground Water - Grab

Sampled: 06/07/23 17:23
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 4.48 | pCi/L | | | 1 | 0.893 | 07/13/23 20:53 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-04
Name: EB-01
Matrix: Ground Water - Equipment Blank

Sampled: 06/07/23 17:55
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.88 | pCi/L | | | 1 | 0.558 | 07/13/23 20:53 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01733-05
Name: G275
Matrix: Ground Water - Grab

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.0751 U | pCi/L | | | 1 | 0.749 | 07/13/23 20:53 | | 904.0 903.0 |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-06
Name: G275 DUP
Matrix: Ground Water - Field Duplicate

Sampled: 06/08/23 12:00
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.0267 U | pCi/L | | | 1 | 0.893 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|----------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-07
Name: G275D
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:13
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.34 | pCi/L | | | 1 | 0.73 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|------|----------------|--|-------------|

Sample: GF01733-08
Name: G280
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:25
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.839 | pCi/L | | | 1 | 0.764 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01733-09
Name: G283
Matrix: Ground Water - Grab

Sampled: 06/08/23 14:32
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 2.88 | pCi/L | | | 1 | 0.791 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-10
Name: G285
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:53
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-----|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 3.1 | pCi/L | | | 1 | 0.516 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|-----|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-11
Name: G281
Matrix: Ground Water - Grab

Sampled: 06/08/23 13:48
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.000 U | pCi/L | | | 1 | 0.769 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-12
Name: G270
Matrix: Ground Water - Grab

Sampled: 06/08/23 09:54
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.485 J | pCi/L | | | 1 | 0.772 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01733-13
Name: G284
Matrix: Ground Water - Grab

Sampled: 06/08/23 15:16
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.01 | pCi/L | | | 1 | 0.742 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-14
Name: G217
Matrix: Ground Water - Grab

Sampled: 06/08/23 16:56
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.574 J | pCi/L | | | 1 | 0.778 | 07/14/23 10:35 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01733-15
Name: R201
Matrix: Ground Water - Grab

Sampled: 06/07/23 15:40
Received: 06/09/23 06:50
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-----|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.5 | pCi/L | | | 1 | 0.778 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|-----|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01900-01
Name: G206
Matrix: Ground Water - Grab

Sampled: 06/09/23 13:20
Received: 06/09/23 16:14
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.227 U | pCi/L | | | 1 | 0.656 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

ANALYTICAL RESULTS

Sample: GF01900-02
Name: G206 DUP
Matrix: Ground Water - Grab

Sampled: 06/09/23 13:20
Received: 06/09/23 16:14
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 1.79 | pCi/L | | | 1 | 0.704 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01900-03
Name: G206D
Matrix: Ground Water - Grab

Sampled: 06/09/23 12:29
Received: 06/09/23 16:14
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.701 | pCi/L | | | 1 | 0.591 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|-------|-------|--|--|---|-------|----------------|--|-------------|

Sample: GF01900-04
Name: G209
Matrix: Ground Water - Grab

Sampled: 06/09/23 09:44
Received: 06/09/23 16:14
PO #: 1940007155

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|
|-----------|--------|------|-----------|----------|----------|-----|----------|---------|--------|

Miscellaneous - Pace Analytical - Mt Juliet, Tn

| | | | | | | | | | |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|
| Rad 226 and 228-Subcontract | 0.292 J | pCi/L | | | 1 | 0.665 | 07/14/23 16:39 | | 904.0 903.0 |
|-----------------------------|---------|-------|--|--|---|-------|----------------|--|-------------|

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-----------|--------|------|------|-------------|---------------|------|-------------|-----|-----------|
|-----------|--------|------|------|-------------|---------------|------|-------------|-----|-----------|

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050





Certified by: Gail Schindler, Project Manager

ANALYTICAL REPORT

July 13, 2023

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

Pace IR - Peoria, IL

Sample Delivery Group: L1623496
Samples Received: 06/07/2023
Project Number: GF00183
Description: Vistra-Coffeen
Site: 001
Report To: Gail Schindler
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:



Haley Torrence
Project Manager

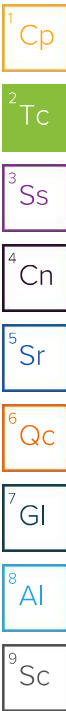
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory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

Pace Analytical National

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

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SAMPLE SUMMARY

G302 L1623496-01 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 16:00 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G302 DUP L1623496-02 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 16:00 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G303 L1623496-03 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 17:23 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G316 L1623496-04 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 10:33 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G406 L1623496-05 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 16:45 06/07/23 09:00

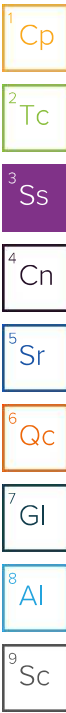
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G406 DUP L1623496-06 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

05/31/23 16:45 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |



SAMPLE SUMMARY

G407 L1623496-07 Non-Potable Water

Collected by
Collected date/time
Received date/time
05/31/23 14:09 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G410 L1623496-08 Non-Potable Water

Collected by
Collected date/time
Received date/time
05/31/23 13:27 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G411 L1623496-09 Non-Potable Water

Collected by
Collected date/time
Received date/time
05/31/23 12:00 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G314D L1623496-10 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/01/23 09:38 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G314 L1623496-11 Non-Potable Water

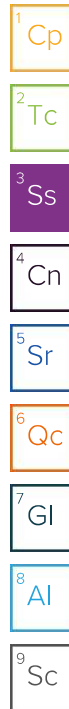
Collected by
Collected date/time
Received date/time
06/01/23 10:47 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G218 L1623496-12 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/01/23 11:12 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |



SAMPLE SUMMARY

G310 L1623496-13 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

06/01/23 12:42 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

G312 L1623496-14 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

06/01/23 14:01 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G279 L1623496-15 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

06/01/23 12:07 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

G277 L1623496-16 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

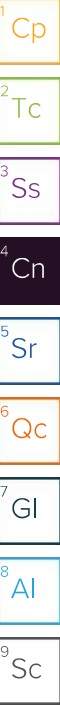
06/01/23 10:27 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089578 | 1 | 07/07/23 11:14 | 07/10/23 16:46 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL
Method 904/9320

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 1.40 | | 0.390 | 0.669 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 72.2 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 107 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.50 | | 0.415 | 0.700 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.106 | J | 0.142 | 0.205 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 118 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

- 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 | 2.19 | | 0.374 | 0.613 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 71.4 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 114 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 2.46 | | 0.442 | 0.673 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.272 | J | 0.235 | 0.278 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

- 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 | 1.09 | | 0.320 | 0.550 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 77.6 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 108 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.22 | | 0.396 | 0.652 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.126 | J | 0.234 | 0.351 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 101 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

- 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 | 1.49 | | 0.284 | 0.467 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 80.1 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 111 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.81 | | 0.376 | 0.544 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.327 | | 0.247 | 0.279 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 102 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

- 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 | 0.0457 | <u>U</u> | 0.397 | 0.719 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 75.3 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 110 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.262 | <u>U</u> | 0.457 | 0.778 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.217 | <u>J</u> | 0.226 | 0.298 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 99.9 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

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

Collected date/time: 05/31/23 16:48
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.342 | J | 0.284 | 0.510 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 76.7 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 103 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.482 | J | 0.351 | 0.597 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.140 | J | 0.207 | 0.311 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 95.1 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

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

COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.734 | | 0.318 | 0.558 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 82.0 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 101 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.792 | | 0.336 | 0.589 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0575 | <u>U</u> | 0.109 | 0.190 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 80.0 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

- 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 | 0.747 | | 0.320 | 0.560 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 87.7 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 97.7 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 3.15 | | 0.684 | 0.624 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 2.40 | | 0.604 | 0.275 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 85.3 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

Radiochemistry by Method 904/9320

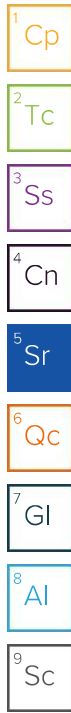
| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.498 | <u>U</u> | 0.299 | 0.561 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 81.9 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 118 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.623 | <u>J</u> | 0.465 | 0.642 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.623 | | 0.356 | 0.313 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 74.2 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |



COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 1.57 | | 0.313 | 0.523 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 82.2 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 2.54 | | 0.515 | 0.616 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.969 | | 0.409 | 0.325 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 104 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

G314

ATTACHMENT B.

SAMPLE RESULTS - 11

Collected date/time: 06/04/23 10:47
845 QUARTERLY REPORT - QUARTER 2, 2023

L1623496

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.609 | | 0.247 | 0.432 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 88.3 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 107 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.924 | | 0.336 | 0.483 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.315 | | 0.228 | 0.217 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

Radiochemistry by Method 904/9320

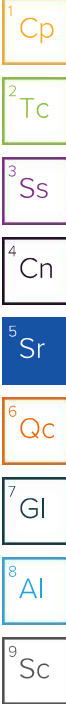
| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.859 | | 0.353 | 0.619 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 76.8 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 98.0 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.05 | | 0.404 | 0.668 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.189 | J | 0.196 | 0.250 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 112 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |



Radiochemistry by Method 904/9320

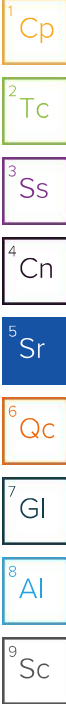
| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.698 | | 0.288 | 0.505 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 82.7 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 114 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.52 | | 0.457 | 0.576 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.822 | | 0.355 | 0.277 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 105 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |



G312

ATTACHMENT B.

SAMPLE RESULTS - 14

845 QUARTERLY REPORT - QUARTER 2, 2023

L1623496

Collected date/time: 06/04/23 14:01
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.685 | | 0.239 | 0.414 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 85.8 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 126 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.845 | | 0.336 | 0.543 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.160 | J | 0.236 | 0.351 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 88.3 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

G279

ATTACHMENT B.

SAMPLE RESULTS - 15

Collected date/time: 06/04/23 12:07
845 QUARTERLY REPORT - QUARTER 2, 2023

L1623496

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.144 | <u>U</u> | 0.314 | 0.576 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 86.3 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 109 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.107 | <u>U</u> | 0.370 | 0.651 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.107 | <u>U</u> | 0.195 | 0.303 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 97.0 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

G277

ATTACHMENT B.

SAMPLE RESULTS - 16

845 QUARTERLY REPORT - QUARTER 2, 2023

L1623496

Collected date/time: 06/04/23 10:27
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.777 | | 0.286 | 0.498 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 77.8 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 115 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.05 | | 0.341 | 0.526 | 07/10/2023 16:46 | WG2089578 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.275 | | 0.186 | 0.169 | 07/10/2023 16:46 | WG2089578 |
| (T) Barium-133 | 99.6 | | | 30.0-143 | 07/10/2023 16:46 | WG2089578 |

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

Method Blank (MB)

(MB) R3946996-1 07/05/23 21:27

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty + / - | MB MDA pCi/l |
|-------------|--------------------|--------------|-------------------------|-----------------|
| Radium-228 | 0.202 | J | 0.186 | 0.335 |
| (T) Barium | 84.2 | | 84.2 | |
| (T) Yttrium | 106 | | 106 | |

L1623496-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1623496-03 07/05/23 21:27 • (DUP) R3946996-5 07/05/23 21:27

| Analyte | Original Result pCi/l | Original Uncertainty + / - | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty + / - | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|-------------|--------------------------|-------------------------------|-----------------------|---------------------|--------------------------|------------------|----------|--------------|---------|---------------|------------------------|---------------|
| Radium-228 | 1.09 | 0.320 | 0.550 | 1.05 | 0.420 | 0.550 | 1 | 4.30 | 0.0871 | | 20 | 3 |
| (T) Barium | 77.6 | | | 93.1 | 93.1 | | | | | | | |
| (T) Yttrium | 108 | | | 107 | 107 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3946996-2 07/05/23 21:27

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228 | 5.00 | 5.08 | 102 | 80.0-120 | |
| (T) Barium | | 92.3 | | | |
| (T) Yttrium | | 117 | | | |

L1623493-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623493-01 07/05/23 21:27 • (MS) R3946996-3 07/05/23 21:27 • (MSD) R3946996-4 07/05/23 21:27

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | RPD % | MS RER | RPD Limits % |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|----------|--------|-----------------|
| Radium-228 | 10.0 | 0.153 | 10.4 | 11.1 | 102 | 109 | 1 | 70.0-130 | | 6.34 | | 20 |
| (T) Barium | | 75.2 | | 87.9 | 90.8 | 87.9 | | | | | | |
| (T) Yttrium | | 109 | | 109 | 109 | 110 | | | | | | |

ATTACHMENT B
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

1 Cp
2
3 Sr
4
5
6
7
8 Al
9 Sc

Method Blank (MB)

(MB) R3946774-1 07/06/23 21:21

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty +/- | MB MDA pCi/l |
|----------------|--------------------|--------------|-----------------------|-----------------|
| Radium-226 | -0.00437 | U | 0.0542 | 0.105 |
| (7) Barium-133 | 77.4 | | 77.4 | |

L1623471-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1623471-23 07/06/23 21:21 • (DUP) R3946774-5 07/06/23 21:21

| Analyte | Original Result pCi/l | Original Uncertainty +/- | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty +/- | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|----------------|--------------------------|-----------------------------|-----------------------|---------------------|------------------------|------------------|----------|--------------|---------|---------------|------------------------|---------------|
| Radium-226 | 1.73 | 0.526 | 0.274 | 0.0499 | 0.0948 | 0.274 | 1 | 189 | 3.14 | J3 U | 20 | 3 |
| (7) Barium-133 | 84.8 | | | 99.6 | 99.6 | | | | | | | |

L1623471-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1623471-23 07/06/23 21:21 • (DUP) R3946774-6 07/07/23 23:34

| Analyte | Original Result pCi/l | Original Uncertainty +/- | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty +/- | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|----------------|--------------------------|-----------------------------|-----------------------|---------------------|------------------------|------------------|----------|--------------|---------|---------------|------------------------|---------------|
| Radium-226 | 1.73 | 0.526 | 0.274 | 0.0460 | 0.165 | 0.274 | 1 | 190 | 3.05 | J3 U | 20 | 3 |
| (7) Barium-133 | 84.8 | | | 99.6 | 99.6 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3946774-2 07/06/23 21:21

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-226 | 5.01 | 4.08 | 81.5 | 80.0-120 | |
| (7) Barium-133 | | | 88.5 | | |

L1623471-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623471-28 07/06/23 21:21 • (MS) R3946774-3 07/06/23 21:21 • (MSD) R3946774-4 07/06/23 21:21

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier | RPD % | MS RER | RPD Limits % |
|----------------|-----------------------|--------------------------|--------------------|---------------------|--------------|----------|------------------|--------------|----------|--------|-----------------|
| um-226 | 20.0 | 0.469 | 16.8 | 17.9 | 81.6 | 1 | 75.0-125 | | 6.23 | | 20 |
| (7) Barium-133 | | 93.5 | | 84.3 | 84.3 | | | | | | |

Method Blank (MB)

(MB) R3947336-1 07/10/23 16:46

| Analyte | MB Result pCi/l | MB Uncertainty +/- | MB MDA pCi/l |
|----------------|--------------------|-----------------------|-----------------|
| Radium-226 | -0.0221 | 0.0292 | 0.0840 |
| (7) Barium-133 | 88.1 | 88.1 | |

L1624825-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1624825-02 07/10/23 16:46 • (DUP) R3947336-5 07/10/23 16:46

| Analyte | Original Result pCi/l | Original Uncertainty +/- | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty +/- | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|----------------|--------------------------|-----------------------------|-----------------------|---------------------|------------------------|------------------|----------|--------------|---------|---------------|------------------------|---------------|
| Radium-226 | 0.651 | 0.404 | 0.430 | 0.543 | 0.474 | 0.430 | 1 | 18.2 | 0.174 | J | 20 | 3 |
| (7) Barium-133 | 75.9 | | | 44.1 | 44.1 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3947336-2 07/10/23 16:46

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-226 | 5.01 | 4.21 | 84.1 | 80.0-120 | |
| (7) Barium-133 | | | 82.5 | | |

L1623496-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623496-07 07/10/23 16:46 • (MS) R3947336-3 07/10/23 16:46 • (MSD) R3947336-4 07/10/23 16:46

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | RPD % | MS RER | RPD Limits % |
|----------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|----------|--------|-----------------|
| Radium-226 | 20.0 | 0.0575 | 16.6 | 19.9 | 82.7 | 99.0 | 1 | 75.0-125 | | 17.9 | | 20 |
| (7) Barium-133 | | | 80.0 | | 93.0 | 80.9 | | | | | | |

ATTACHMENT B
845 QUARTERLY REPORT QUARTER 2, 2023
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

1 Cp

2 Sr

3 Cs

4 Pb

8 AI

9 SC

Guide to Reading and Understanding Your Laboratory Report

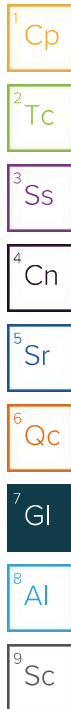
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |



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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.



Internal Transfer Chain of Custody

State of Origin: IL
 Cert. Needed: YES NO



Owner Received
 Date: 6/1/2023 By: 6/27/2023

Workorder: GF00183 (Page 1) Workorder Name: Vistra - Coffeen

Subcontract To:

Report To:
 Gail Schindler
 Pace Analytical - IL/MO
 2231 W. Altorfer Drive
 Peoria, IL 61615
 800-752-6651

Pace Analytical - Mt Juliet
 12065 Lebanon Rd
 Mt Juliet TN 37122

A172

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers | Date/Time | Received By | Date/Time | Comments |
|------|-----------|-------------|-------------------|------------|--------|----------------------|-----------|-------------|-----------|----------|
| 1 | G302 | GRAB | 5/31/2023 16:00 | GF00183-01 | GW | | | | | |
| 2 | G302 DUP | GRAB | 5/31/2023 16:00 | GF00183-02 | GW | | | | | |
| 3 | G303 | GRAB | 5/31/2023 17:23 | GF00183-03 | GW | | | | | |
| 4 | G316 | GRAB | 5/31/2023 10:33 | GF00183-04 | GW | | | | | |
| 5 | G406 | GRAB | 5/31/2023 16:45 | GF00183-05 | GW | | | | | |
| 6 | G406 DUP | GRAB | 5/31/2023 16:45 | GF00183-06 | GW | | | | | |
| 7 | G407 | GRAB | 5/31/2023 14:09 | GF00183-07 | GW | | | | | |
| 8 | G410 | GRAB | 5/31/2023 13:27 | GF00183-08 | GW | | | | | |
| 9 | G411 | GRAB | 5/31/2023 12:00 | GF00183-09 | GW | | | | | |
| 10 | G314D | GRAB | 6/1/2023 9:38 | GF00183-10 | GW | | | | | |

Radium 226/228

LAB USE ONLY
 -01
 -02
 -03
 -04
 -05
 -06
 -07
 -08
 -09
 -10

Transfers Released By: *[Signature]*
 Date/Time: 6/1/23 12:35
 Received By: *Hailey Roberts*
 Date/Time: 6/1/23 0900

Needs reported as 226, 228 and also combined 226/228
 Include QC summary and eidd

Cooler Temperature on Receipt _____ °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

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

Internal Transfer Chain of Custody



State of Origin: IL
 Cert. Needed: YES NO

Owner Received Date: 6/1/2023
 Results Required By: 6/27/2023

Workorder: GF00183 (Page 2) Workorder Name: Vistra - Coffeen

Report To: Subcontract To:

Gail Schindler
 Pace Analytical - IL/MO
 2231 W. Altorfer Drive
 Peoria, IL 61615
 800-752-6651

Pace Analytical - Mt Juliet
 12065 Lebanon Rd
 Mt Juliet TN 37122

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers | Date/Time | Received By | Date/Time | Comments |
|------|-----------|-------------|-------------------|------------|--------|----------------------|-----------|-------------|-----------|----------|
| 1 | G314 | GRAB | 6/1/2023 10:47 | GF00183-11 | GW | | | | | |
| 2 | G218 | GRAB | 6/1/2023 11:12 | GF00183-12 | GW | | | | | |
| 3 | G310 | GRAB | 6/1/2023 12:42 | GF00183-13 | GW | | | | | |
| 4 | G312 | GRAB | 6/1/2023 14:01 | GF00183-14 | GW | | | | | |
| 5 | G279 | GRAB | 6/1/2023 12:07 | GF00183-15 | GW | | | | | |
| 6 | G277 | GRAB | 6/1/2023 10:27 | GF00183-16 | GW | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

4623496
 LAB USE ONLY

Radium 226/228

6/1/23 12:30 Hanky Robinson

Needs reported as 226, 228 and also combined 226/228
 Include QC summary and ead

Cooler Temperature on Receipt _____ °C Custody Seal Y or N

Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

41623496



Ship to :
 Pace Analytical - Mt Juliet
 12065 Lebanon Rd
 Mt Juliet TN 37122

INTER_LABORATORY WORK ORDER # GF00183

(To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Sending Project No: | GF00183 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/6/2023 |
| REQUESTED COMPLETION DATE: | 6/27/2023 |

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? _____ Cert Needed: IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-------------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 16 | | 16 | \$229.30 | \$3,668.80 |
| | | 1 | | 1 | \$0.00 | \$0.00 |
| | | 1 | | 1 | | \$0.00 |
| TOTAL | | | | | | \$3,668.80 |

Special Requirements: Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Acctg. Code | Totals from above | Revenue Allocation | |
|-----------------------------|-------------|-------------------|------------------------|-----------------------|
| | | | Receiving Region (80%) | Client Services Dept. |
| radiological | 38 | \$3,668.80 | \$2,935.04 | \$733.76 |
| | | TOTAL | \$2,935.04 | \$733.76 |

* Custom Revenue Allocation

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: Yes No

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

41623496

| Tracking Numbers | NS AT Temperature |
|------------------|-------------------|
| 6319 5999 89160 | 20.7±0=20.7 |
| 6319 5999 8999 | 20.9±0=20.9 |
| 6319 5999 9002 | 22.9±0=22.9 |
| | |
| | |
| | |

ANALYTICAL REPORT

July 13, 2023

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Pace IR - Peoria, IL

Sample Delivery Group: L1623493
Samples Received: 06/07/2023
Project Number: GF00247
Description: Vistra-Coffeen
Site: 001
Report To: Gail Schindler
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:












Haley Torrence
Project Manager

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

Pace Analytical National

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

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G151 L1623493-01 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

06/01/23 14:34 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

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

G215 L1623493-02 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

06/01/23 15:32 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

G308 L1623493-03 Non-Potable Water

Collected by
 Collected date/time
 Received date/time

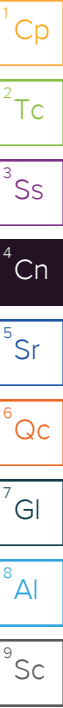
06/01/23 15:52 06/07/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2085377 | 1 | 06/29/23 16:49 | 07/05/23 21:27 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2089290 | 1 | 07/05/23 13:39 | 07/06/23 21:21 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



G151

ATTACHMENT B.

SAMPLE RESULTS - 01

845 QUARTERLY REPORT - QUARTER 2, 2023

L1623493

Collected date/time: 06/01/23 14:34

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.153 | <u>U</u> | 0.390 | 0.704 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 75.2 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 109 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.268 | <u>U</u> | 0.411 | 0.724 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.115 | <u>J</u> | 0.131 | 0.169 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

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

Radiochemistry by Method 904/9320
GMF RECYCLE POND
COFFEEN, IL

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.231 | <u>U</u> | 0.437 | 0.785 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 69.7 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 110 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.881 | | 0.571 | 0.864 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.650 | | 0.367 | 0.362 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 86.8 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

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

COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL
Method 904/9320

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.195 | <u>U</u> | 0.354 | 0.637 | 07/05/2023 21:27 | WG2085377 |
| (T) Barium | 83.1 | | | 30.0-143 | 07/05/2023 21:27 | WG2085377 |
| (T) Yttrium | 104 | | | 30.0-136 | 07/05/2023 21:27 | WG2085377 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.481 | <u>J</u> | 0.437 | 0.713 | 07/06/2023 21:21 | WG2089290 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.286 | <u>J</u> | 0.256 | 0.321 | 07/06/2023 21:21 | WG2089290 |
| (T) Barium-133 | 121 | | | 30.0-143 | 07/06/2023 21:21 | WG2089290 |

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

Method Blank (MB)
 GMF RECYCLE POND
 COFFEEN, IL

(MB) R3946996-1 07/05/23 21:27

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty + / - | MB MDA pCi/l |
|-------------|--------------------|--------------|-------------------------|-----------------|
| Radium-228 | 0.202 | ↓ | 0.186 | 0.335 |
| (T) Barium | 84.2 | | 84.2 | |
| (T) Yttrium | 106 | | 106 | |

L1623496-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1623496-03 07/05/23 21:27 • (DUP) R3946996-5 07/05/23 21:27

| Analyte | Original Result pCi/l | Original Uncertainty + / - | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty + / - | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|-------------|--------------------------|-------------------------------|-----------------------|---------------------|--------------------------|------------------|----------|--------------|---------|---------------|---------------------|---------------|
| Radium-228 | 1.09 | 0.320 | 0.550 | 1.05 | 0.420 | 0.550 | 1 | 4.30 | 0.0871 | | 20 | 3 |
| (T) Barium | 77.6 | | | 93.1 | 93.1 | | | | | | | |
| (T) Yttrium | 108 | | | 107 | 107 | | | | | | | |

Laboratory Control Sample (LCS)

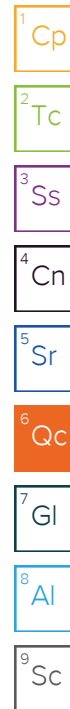
(LCS) R3946996-2 07/05/23 21:27

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228 | 5.00 | 5.08 | 102 | 80.0-120 | |
| (T) Barium | | | 92.3 | | |
| (T) Yttrium | | | 117 | | |

L1623493-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623493-01 07/05/23 21:27 • (MS) R3946996-3 07/05/23 21:27 • (MSD) R3946996-4 07/05/23 21:27

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | MS RER | RPD Limits % |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-228 | 10.0 | 0.153 | 10.4 | 11.1 | 102 | 109 | 1 | 70.0-130 | | | 6.34 | | 20 |
| (T) Barium | | 75.2 | | | 90.8 | 87.9 | | | | | | | |
| (T) Yttrium | | 109 | | | 109 | 110 | | | | | | | |



Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3946774-1 07/06/23 21:21

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | -0.00437 | <u>U</u> | 0.0542 | 0.105 |
| (T) Barium-133 | 77.4 | | 77.4 | |

L1623471-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1623471-23 07/06/23 21:21 • (DUP) R3946774-5 07/06/23 21:21

| 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 | 1.73 | 0.526 | 0.274 | 0.0499 | 0.0948 | 0.274 | 1 | 189 | 3.14 | <u>J3 U</u> | 20 | 3 |
| (T) Barium-133 | 84.8 | | | 99.6 | 99.6 | | | | | | | |

L1623471-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1623471-23 07/06/23 21:21 • (DUP) R3946774-6 07/07/23 23:34

| 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 | 1.73 | 0.526 | 0.274 | 0.0460 | 0.165 | 0.274 | 1 | 190 | 3.05 | <u>J3 U</u> | 20 | 3 |
| (T) Barium-133 | 84.8 | | | 99.6 | 99.6 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3946774-2 07/06/23 21:21

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.08 | 81.5 | 80.0-120 | |
| (T) Barium-133 | | | 88.5 | | |

L1623471-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623471-28 07/06/23 21:21 • (MS) R3946774-3 07/06/23 21:21 • (MSD) R3946774-4 07/06/23 21:21

| 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 | 0.469 | 16.8 | 17.9 | 81.6 | 87.0 | 1 | 75.0-125 | | | 6.23 | | 20 |
| (T) Barium-133 | | 93.5 | | | 84.3 | 89.3 | | | | | | | |



Guide to Reading and Understanding Your Laboratory Report

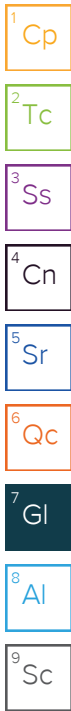
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |



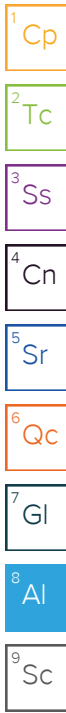
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| 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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.



Internal Transfer Chain of Custody

State of Origin: IL
 Cert. Needed: YES NO



Workorder: GF00247

Workorder Name: Vistra - Coffeen

Owner Received Date: 6/1/2023

Results Required By: 6/27/2023

| | | |
|---|--|--------------------|
| Report To: Gail Schindler Pace Analytical - IL/MO 2231 W. Altorfer Drive Peoria, IL 61615 800-752-6651 | Subcontract To: Pace Analytical - Mt Juliet 12065 Lebanon Rd Mt Juliet TN 37122 | Requested Analysis |
|---|--|--------------------|

A173

41623493
LAB USE ONLY

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers | Radium 226/228 | LAB USE ONLY |
|------|-----------|-------------|-------------------|------------|--------|----------------------|----------------|--------------|
| 1 | G151 | GRAB | 6/1/2023 14:34 | GF00247-01 | GW | | X | -01 |
| 2 | G215 | GRAB | 6/1/2023 15:32 | GF00247-02 | GW | | X | -02 |
| 3 | G308 | GRAB | 6/1/2023 15:52 | GF00247-03 | GW | | X | -03 |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

| Transfers | Released By | Date/Time | Received By | Date/Time | Comments |
|-----------|--------------------|-------------|-----------------------|-------------|--|
| 1 | <i>[Signature]</i> | 6/6/23 1235 | <i>Hailey Potl...</i> | 6/7/23 0900 | Needs reported as 226, 228 and also combined 226/228 |
| 2 | | | | | Include QC summary and edd |
| 3 | | | | | |

Cooler Temperature on Receipt _____ °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

Sample Receipt Checklist

COC Seal Present/Intact: N If Applicable
 COC Signed/Accurate: N VOA Zero Headspace: Y N
 Bottles arrive intact: N Pres. Correct/Check: Y N
 Correct bottles used: N
 Sufficient volume sent: N
 RAD Screen <0.5 mR/hr: N

63195998966 20.7 ± 0.7
 NS A7



Ship to :
 Pace Analytical - Mt Juliet
 12065 Lebanon Rd
 Mt Juliet TN 37122

11073493

INTER LABORATORY WORK ORDER # GF00247

(To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Sending Project No: | GF00247 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/6/2023 |
| REQUESTED COMPLETION DATE: | 6/27/2023 |

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____

Report Wet or Dry Weight? _____

Cert Needed: _____

IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-----------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 3 | | 3 | \$229.30 | \$687.90 |
| | | 1 | | 1 | \$0.00 | \$0.00 |
| | | 1 | | 1 | | \$0.00 |
| TOTAL | | | | | | \$687.90 |

Special Requirements: _____

Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Acctg. Code | Totals from above | Revenue Allocation | Client Services Dept. |
|-----------------------------|-------------|-------------------|--------------------|-----------------------|
| radiological | 38 | \$687.90 | \$550.32 | \$137.58 |
| * Custom Revenue Allocation | | TOTAL | \$550.32 | \$137.58 |

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region:

Yes No

CONFIRMATION OF WORK COMPLETED

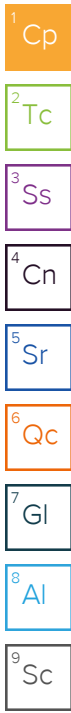
Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

ANALYTICAL REPORT

July 19, 2023



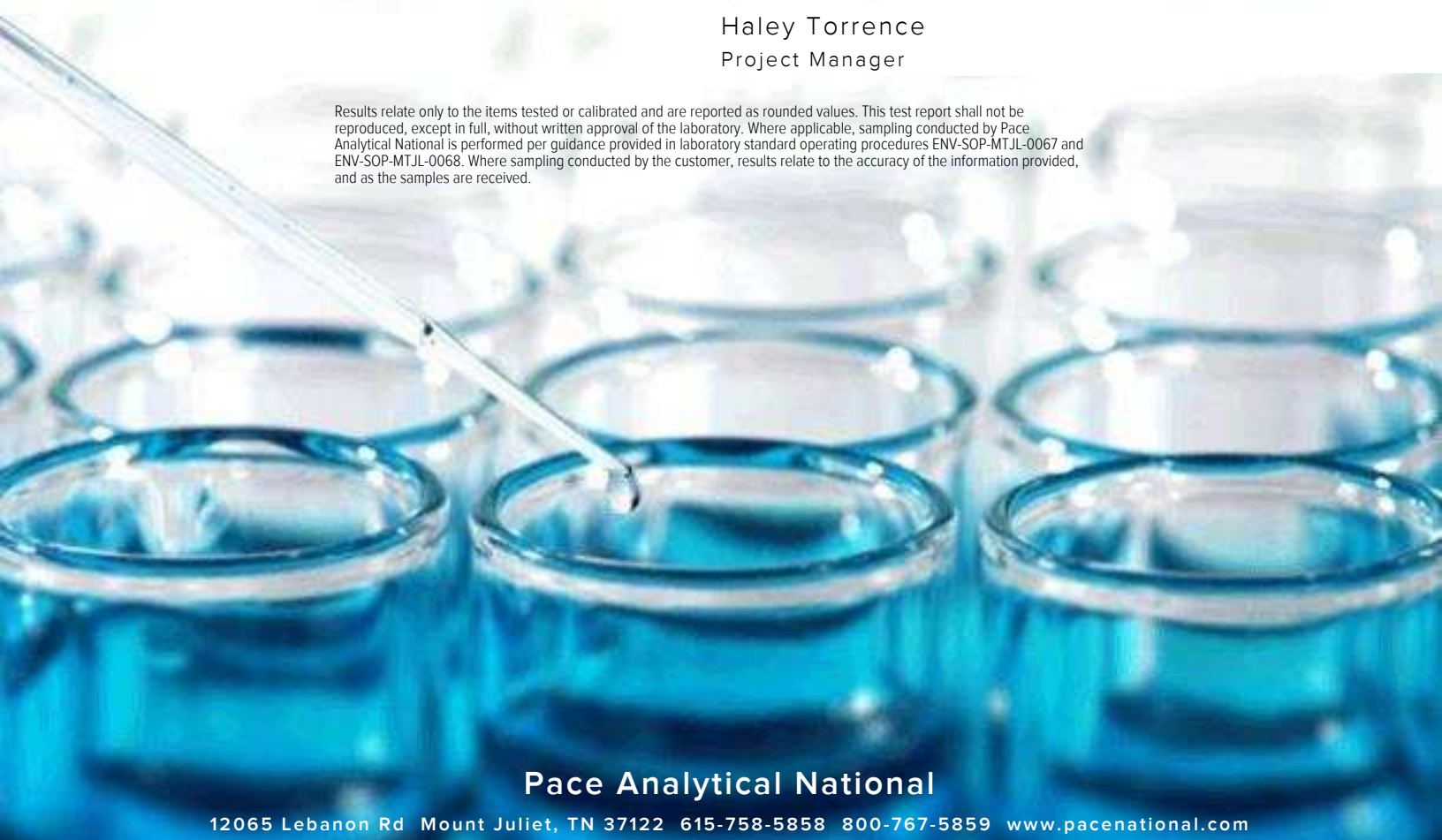
Pace IR - Peoria, IL

| | |
|------------------------|------------------------|
| Sample Delivery Group: | L1626090 |
| Samples Received: | 06/14/2023 |
| Project Number: | GF00917 |
| Description: | Vistra-Coffeen |
| Site: | 001 |
| Report To: | Gail Schindler |
| | 2231 W. Altorfer Drive |
| | Peoria, IL 61615 |

Entire Report Reviewed By:

Haley Torrence
Project Manager

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

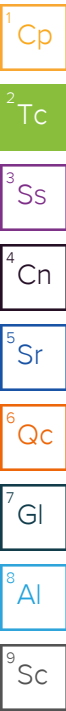


Pace Analytical National

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

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| G273 L1626090-02 | 7 |
| G307 L1626090-03 | 8 |
| G307D L1626090-04 | 9 |
| G306 L1626090-05 | 10 |
| G152 L1626090-06 | 11 |
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| G154 L1626090-08 | 13 |
| G271 L1626090-09 | 14 |
| G305 L1626090-10 | 15 |
| G405 L1626090-11 | 16 |
| Qc: Quality Control Summary | 17 |
| Radiochemistry by Method 904/9320 | 17 |
| Radiochemistry by Method SM7500Ra B M | 19 |
| Gl: Glossary of Terms | 20 |
| Al: Accreditations & Locations | 21 |
| Sc: Sample Chain of Custody | 22 |



SAMPLE SUMMARY

G276 L1626090-01 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/05/23 16:53 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G273 L1626090-02 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/05/23 15:25 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G307 L1626090-03 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/05/23 13:05 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G307D L1626090-04 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/05/23 14:20 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G306 L1626090-05 Non-Potable Water

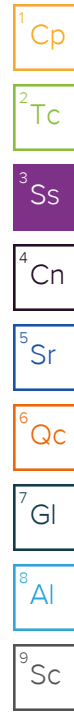
Collected by
Collected date/time
Received date/time
06/05/23 15:43 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G152 L1626090-06 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/06/23 10:43 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

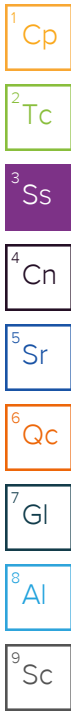


SAMPLE SUMMARY

G153 L1626090-07 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/06/23 12:20 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |



G154 L1626090-08 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/06/23 13:45 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G271 L1626090-09 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/06/23 11:16 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:42 | RGT | Mt. Juliet, TN |

G305 L1626090-10 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/06/23 09:58 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:42 | RGT | Mt. Juliet, TN |

G405 L1626090-11 Non-Potable Water

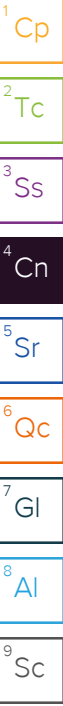
Collected by
 Collected date/time
 Received date/time
 06/06/23 13:07 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090705 | 1 | 07/07/23 09:51 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 21:08 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:42 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



G276

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
COLLECTED DATE/TIME: 06/05/23 16:33
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

SAMPLE RESULTS - 01

L1626090

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.892 | | 0.312 | 0.537 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 75.1 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 113 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 0.966 | | 0.329 | 0.558 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0747 | J | 0.104 | 0.152 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

G273

ATTACHMENT B.

SAMPLE RESULTS - 02

845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/05/23 15:25

L1626090

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.248 | J | 0.277 | 0.496 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 77.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 100 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

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 | 0.248 | U | 0.294 | 0.548 | 07/14/2023 16:39 | WG2091007 |

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 | -0.0129 | U | 0.0979 | 0.234 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 105 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

6 Qc

7 Gl

8 Al

9 Sc

G307

ATTACHMENT B.

SAMPLE RESULTS - 03

845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/05/23 13:05

L1626090

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.333 | J | 0.273 | 0.486 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 79.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 95.2 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

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 | 0.528 | J | 0.331 | 0.539 | 07/14/2023 16:39 | WG2091007 |

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 | 0.194 | J | 0.188 | 0.233 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 108 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

6 Qc

7 Gl

8 Al

9 Sc

G307D

ATTACHMENT B.

SAMPLE RESULTS - 04

Collected date/time: 06/05/23 14:20
845 QUARTERLY REPORT - QUARTER 2, 2023

L1626090

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.927 | | 0.371 | 0.643 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 70.9 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 110 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 1.02 | | 0.422 | 0.720 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0984 | <u>U</u> | 0.202 | 0.325 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 100 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.274 | <u>U</u> | 0.283 | 0.526 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 73.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 103 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.0900 | <u>U</u> | 0.315 | 0.569 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0900 | <u>J</u> | 0.139 | 0.217 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G152

ATTACHMENT B.

SAMPLE RESULTS - 06

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626090

Collected date/time: 06/08/23 10:43
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.475 | J | 0.523 | 0.951 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 70.0 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 103 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

- 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 | 0.513 | J | 0.539 | 0.983 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0379 | U | 0.129 | 0.250 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 102 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -1.50 | <u>U</u> | 0.467 | 0.891 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 67.0 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 114 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.146 | <u>U</u> | 0.531 | 0.974 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.146 | <u>J</u> | 0.252 | 0.394 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 70.4 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G154

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/08/23 13:45
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

SAMPLE RESULTS - 08

L1626090

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.852 | | 0.385 | 0.685 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 77.4 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 106 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.993 | | 0.438 | 0.752 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.141 | J | 0.208 | 0.310 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 110 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G271

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
COLLECTED DATE/TIME: 06/08/23 11:16
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

SAMPLE RESULTS - 09

L1626090

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 2.09 | | 0.413 | 0.706 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 75.7 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 98.5 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

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

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 2.32 | | 0.472 | 0.765 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.234 | J | 0.228 | 0.294 | 07/12/2023 09:42 | WG2091007 |
| (T) Barium-133 | 104 | | | 30.0-143 | 07/12/2023 09:42 | WG2091007 |

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 1.47 | | 0.378 | 0.654 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 70.8 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 107 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.63 | | 0.405 | 0.675 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.157 | J | 0.146 | 0.168 | 07/12/2023 09:42 | WG2091007 |
| (T) Barium-133 | 104 | | | 30.0-143 | 07/12/2023 09:42 | WG2091007 |

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

G405

ATTACHMENT B.

SAMPLE RESULTS - 11

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626090

Collected date/time: 06/08/23 13:07
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 1.53 | | 0.543 | 0.957 | 07/14/2023 21:08 | WG2090705 |
| (T) Barium | 67.8 | | | 30.0-143 | 07/14/2023 21:08 | WG2090705 |
| (T) Yttrium | 102 | | | 30.0-136 | 07/14/2023 21:08 | WG2090705 |

- 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 | 1.68 | | 0.562 | 0.972 | 07/14/2023 21:08 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.147 | J | 0.146 | 0.169 | 07/12/2023 09:42 | WG2091007 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/12/2023 09:42 | WG2091007 |

Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3949806-1 07/14/23 16:39

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|-------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-228 | -0.0717 | <u>U</u> | 0.214 | 0.391 |
| (T) Barium | 75.2 | | 75.2 | |
| (T) Yttrium | 103 | | 103 | |

L1626087-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1626087-01 07/14/23 16:39 • (DUP) R3949806-5 07/14/23 16:39

| 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-228 | 0.0607 | 0.339 | 0.611 | 0.575 | 0.509 | 0.611 | 1 | 162 | 0.841 | <u>J</u> | 20 | 3 |
| (T) Barium | 75.6 | | | 73.0 | 73.0 | | | | | | | |
| (T) Yttrium | 99.0 | | | 106 | 106 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3949806-2 07/14/23 16:39

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-228 | 5.00 | 5.82 | 116 | 80.0-120 | |
| (T) Barium | | | 78.0 | | |
| (T) Yttrium | | | 95.3 | | |

L1626083-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-15 07/14/23 16:39 • (MS) R3949806-3 07/14/23 16:39 • (MSD) R3949806-4 07/14/23 16:39

| 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-228 | 10.0 | 1.14 | 13.2 | 13.1 | 120 | 120 | 1 | 70.0-130 | | | 0.304 | | 20 |
| (T) Barium | | 66.6 | | | 75.7 | 76.3 | | | | | | | |
| (T) Yttrium | | 116 | | | 116 | 116 | | | | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3949833-1 07/14/23 21:08

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty + / - | MB MDA pCi/l |
|-------------|--------------------|--------------|-------------------------|-----------------|
| Radium-228 | -0.240 | <u>U</u> | 0.169 | 0.323 |
| (T) Barium | 91.9 | | 91.9 | |
| (T) Yttrium | 99.0 | | 99.0 | |

L1626090-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1626090-11 07/14/23 21:08 • (DUP) R3949833-5 07/14/23 21:08

| Analyte | Original Result pCi/l | Original Uncertainty + / - | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty + / - | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|-------------|--------------------------|-------------------------------|-----------------------|---------------------|--------------------------|------------------|----------|--------------|---------|---------------|---------------------|---------------|
| Radium-228 | 1.53 | 0.543 | 0.957 | 1.10 | 0.470 | 0.957 | 1 | 32.7 | 0.599 | | 20 | 3 |
| (T) Barium | 67.8 | | | 79.4 | 79.4 | | | | | | | |
| (T) Yttrium | 102 | | | 119 | 119 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3949833-2 07/14/23 21:08

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228 | 5.00 | 5.83 | 117 | 80.0-120 | |
| (T) Barium | | | 79.4 | | |
| (T) Yttrium | | | 94.1 | | |

L1626090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626090-06 07/14/23 21:08 • (MS) R3949833-3 07/14/23 21:08 • (MSD) R3949833-4 07/14/23 21:08

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | MS RER | RPD Limits % |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-228 | 16.7 | 0.475 | 21.8 | 20.8 | 127 | 122 | 1 | 70.0-130 | | | 4.47 | | 20 |
| (T) Barium | | 70.0 | | | 80.0 | 78.5 | | | | | | | |
| (T) Yttrium | | 103 | | | 112 | 114 | | | | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)
GMF RECYCLE POND
COFFEE, IL

(MB) R3947927-1 07/12/23 09:41

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | 0.0193 | <u>U</u> | 0.0480 | 0.0791 |
| (T) Barium-133 | 99.3 | | 99.3 | |

L1626090-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1626090-11 07/12/23 09:42 • (DUP) R3947927-5 07/12/23 09:41

| 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 | 0.147 | 0.146 | 0.169 | 0.00608 | 0.205 | 0.169 | 1 | 184 | 0.560 | <u>U</u> | 20 | 3 |
| (T) Barium-133 | 106 | | | 98.7 | 98.7 | | | | | | | |

Laboratory Control Sample (LCS)

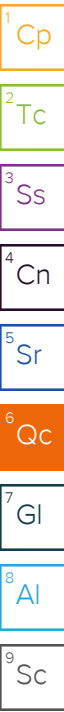
(LCS) R3947927-2 07/12/23 09:41

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.58 | 91.3 | 80.0-120 | |
| (T) Barium-133 | | | 103 | | |

L1626086-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626086-07 07/12/23 09:41 • (MS) R3947927-3 07/12/23 09:41 • (MSD) R3947927-4 07/12/23 09:41

| 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 | 0.376 | 18.6 | 19.0 | 91.2 | 93.3 | 1 | 75.0-125 | | | 2.23 | | 20 |
| (T) Barium-133 | | 93.7 | | | 94.0 | 93.5 | | | | | | | |



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

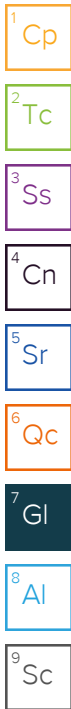
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDA | Minimum Detectable Activity. |
| Rec. | Recovery. |
| RER | Replicate Error Ratio. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (T) | Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation. |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

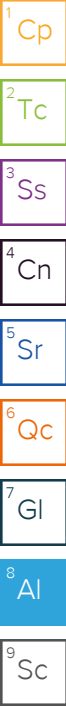
| | |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |



ACCREDITATIONS & LOCATIONS

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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |



¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.



Ship to :
 Pace Analytical Services, LLC
 1638 Roseytown Rd - Suites 2,3,4
 Greensburg, PA 15601
 (724)850-5600

INTER LABORATORY WORK ORDER # GF00917

(To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Sending Project No: | GF00917 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/12/2023 |
| REQUESTED COMPLETION DATE: | 7/3/2023 |

Handwritten signature/initials

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? _____ Cert Needed: IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-------------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 11 | | 11 | \$229.30 | \$2,522.30 |
| | | 1 | | 1 | \$0.00 | \$0.00 |
| | | 1 | | 1 | | \$0.00 |
| TOTAL | | | | | | \$2,522.30 |

Special Requirements: Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Acctg. Code | Totals from above | Revenue Allocation | Client Services Dept. |
|-----------------------------|-------------|-------------------|--------------------|-----------------------|
| radiological | 38 | \$2,522.30 | \$2,017.84 | \$504.46 |
| * Custom Revenue Allocation | | TOTAL | \$2,017.84 | \$504.46 |

Return Samples to Sending Region: Yes No

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.
 When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

| Tracking Numbers | GRM Temperature |
|---------------------|--------------------|
| 6319 6000 4262 | 20.6±0=20.6 |
| " " 4332 | 20.3±0=20.3 |
| " " 4398 | 20.2±0=20.2 |
| " " 4343 | 20.7±0=20.7 |
| " " 4284 | 20.5±0=20.5 |

41626090



ANALYTICAL REPORT

July 20, 2023

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

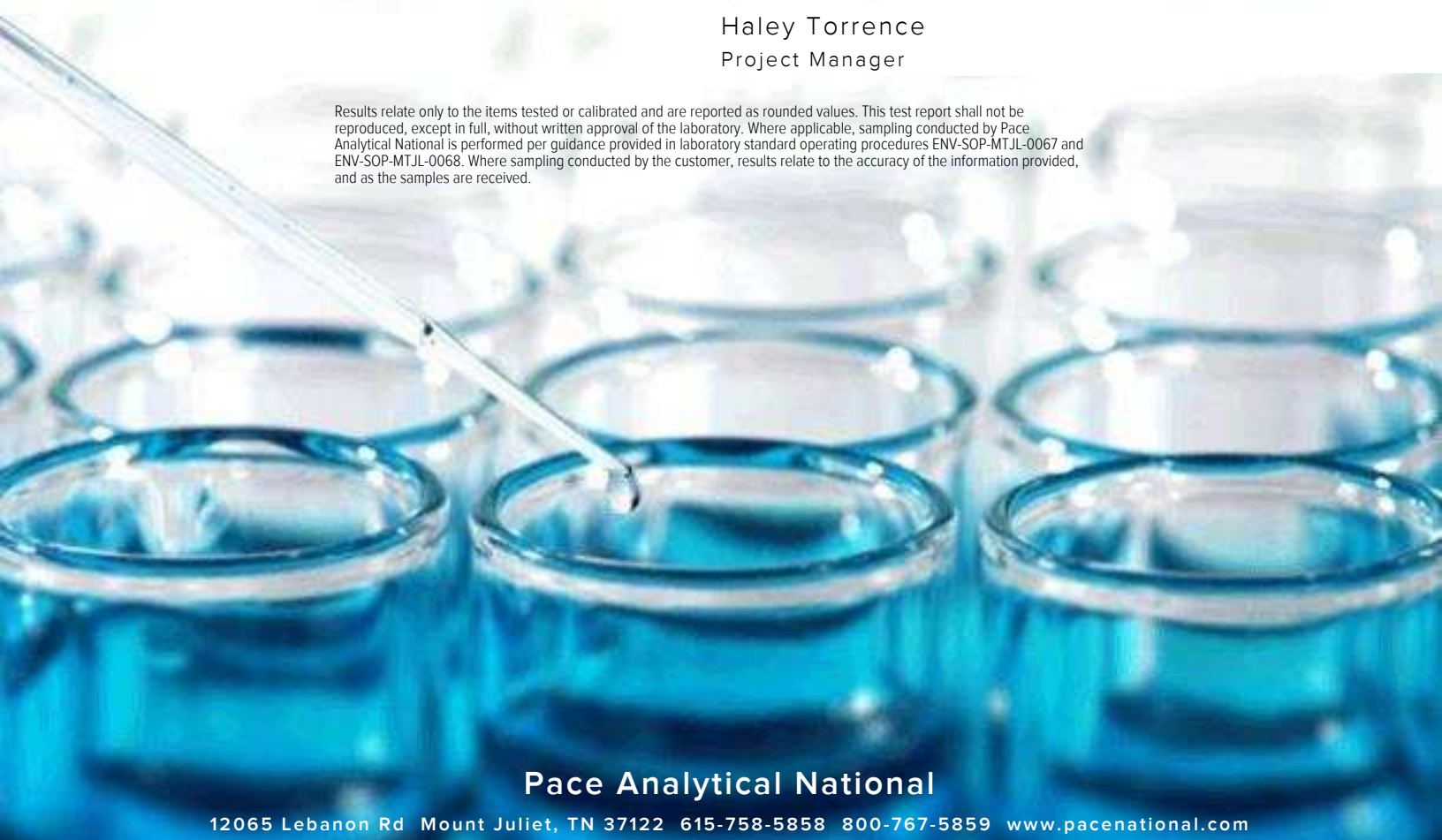
Pace IR - Peoria, IL

Sample Delivery Group: L1626086
 Samples Received: 06/14/2023
 Project Number: GF01342
 Description: Vistra-Coffeen
 Site: 001
 Report To: Gail Schindler
 2231 W. Altorfer Drive
 Peoria, IL 61615

Entire Report Reviewed By:

Haley Torrence
Project Manager

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



Pace Analytical National

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

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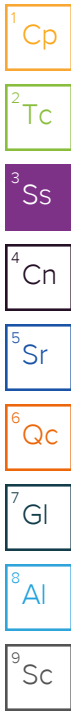
| | | |
|---|----|---|
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| Sr: Sample Results | 6 |  |
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| G313 DUP L1626086-03 | 8 |  |
| G402 L1626086-04 | 9 | |
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| G403 L1626086-06 | 11 | |
| G404 L1626086-07 | 12 |  |
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| Sc: Sample Chain of Custody | 21 | |

SAMPLE SUMMARY

G301 L1626086-01 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/06/23 16:38 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |



G313 L1626086-02 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/06/23 15:15 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | RGT | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

G313 DUP L1626086-03 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/06/23 15:15 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

G402 L1626086-04 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/06/23 16:05 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:57 | RGT | Mt. Juliet, TN |

G315 L1626086-05 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 10:02 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

G403 L1626086-06 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 11:25 06/14/23 09:00

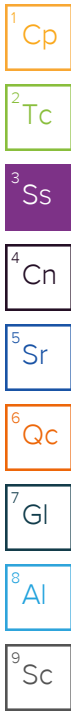
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

SAMPLE SUMMARY

G404 L1626086-07 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/07/23 12:51 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |



G1001 L1626086-08 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/07/23 10:24 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G401 L1626086-09 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/07/23 11:58 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G155 L1626086-10 Non-Potable Water

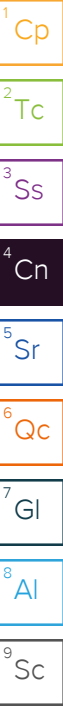
Collected by
 Collected date/time
 Received date/time
 06/07/23 10:08 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



G301

ATTACHMENT B.

SAMPLE RESULTS - 01

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626086

Collected date/time: 06/08/23 16:39
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -1.73 | <u>U</u> | 0.485 | 0.910 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 70.7 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 91.3 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 0.0829 | <u>U</u> | 0.524 | 0.970 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0829 | <u>U</u> | 0.199 | 0.336 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 82.5 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

G313

ATTACHMENT B.

SAMPLE RESULTS - 02

845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/08/23 15:15

L1626086

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.442 | J | 0.436 | 0.773 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 68.6 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 0.879 | | 0.534 | 0.843 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.436 | | 0.309 | 0.337 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 92.0 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.251 | <u>U</u> | 0.389 | 0.691 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 76.5 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.325 | <u>J</u> | 0.431 | 0.755 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0742 | <u>U</u> | 0.185 | 0.305 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 96.5 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

- 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 | 0.848 | | 0.400 | 0.697 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 66.1 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 102 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.22 | | 0.461 | 0.723 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.377 | | 0.230 | 0.192 | 07/11/2023 19:57 | WG2090952 |
| (T) Barium-133 | 87.9 | | | 30.0-143 | 07/11/2023 19:57 | WG2090952 |

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

G315

ATTACHMENT B.

SAMPLE RESULTS - 05

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626086

Collected date/time: 06/07/23 10:00

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.221 | <u>U</u> | 0.362 | 0.647 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 72.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 98.8 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.344 | <u>J</u> | 0.388 | 0.672 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.123 | <u>J</u> | 0.141 | 0.180 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 93.5 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

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

G403

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/07/23 11:28
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

SAMPLE RESULTS - 06

L1626086

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.750 | | 0.333 | 0.580 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 77.0 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 95.6 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 0.910 | | 0.387 | 0.644 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.160 | J | 0.198 | 0.279 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 101 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

Collected date/time: 06/07/23 12:51
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.982 | | 0.243 | 0.404 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 74.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.36 | | 0.371 | 0.514 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.376 | | 0.280 | 0.318 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 93.7 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G1001

ATTACHMENT B.

SAMPLE RESULTS - 08

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626086

Collected date/time: 06/07/23 10:24
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.292 | <u>U</u> | 0.376 | 0.683 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 75.7 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 108 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.917 | | 0.546 | 0.744 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.917 | | 0.396 | 0.296 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 106 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G401

ATTACHMENT B.

SAMPLE RESULTS - 09

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626086

Collected date/time: 06/07/23 11:58
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.133 | <u>U</u> | 0.312 | 0.569 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 76.5 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 106 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.628 | <u>J</u> | 0.465 | 0.665 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.628 | | 0.345 | 0.344 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 94.9 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

G155

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
Collected date/time: 06/07/23 10:03
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

SAMPLE RESULTS - 10

L1626086

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.618 | J | 0.487 | 0.861 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 74.8 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 102 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.30 | | 0.739 | 1.08 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.687 | | 0.556 | 0.651 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 45.4 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3949806-1 07/14/23 16:39

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|-------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-228 | -0.0717 | <u>U</u> | 0.214 | 0.391 |
| (T) Barium | 75.2 | | 75.2 | |
| (T) Yttrium | 103 | | 103 | |

L1626087-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1626087-01 07/14/23 16:39 • (DUP) R3949806-5 07/14/23 16:39

| 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-228 | 0.0607 | 0.339 | 0.611 | 0.575 | 0.509 | 0.611 | 1 | 162 | 0.841 | <u>J</u> | 20 | 3 |
| (T) Barium | 75.6 | | | 73.0 | 73.0 | | | | | | | |
| (T) Yttrium | 99.0 | | | 106 | 106 | | | | | | | |

Laboratory Control Sample (LCS)

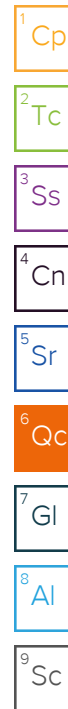
(LCS) R3949806-2 07/14/23 16:39

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-228 | 5.00 | 5.82 | 116 | 80.0-120 | |
| (T) Barium | | | 78.0 | | |
| (T) Yttrium | | | 95.3 | | |

L1626083-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-15 07/14/23 16:39 • (MS) R3949806-3 07/14/23 16:39 • (MSD) R3949806-4 07/14/23 16:39

| 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-228 | 10.0 | 1.14 | 13.2 | 13.1 | 120 | 120 | 1 | 70.0-130 | | | 0.304 | | 20 |
| (T) Barium | | 66.6 | | | 75.7 | 76.3 | | | | | | | |
| (T) Yttrium | | 116 | | | 116 | 116 | | | | | | | |



Method Blank (MB)
GMF RECYCLE POND
COFFEEN, IL

(MB) R3947847-1 07/11/23 15:40

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | + / - | pCi/l | pCi/l |
| Radium-226 | -0.00573 | <u>U</u> | 0.0205 | 0.0441 |
| (T) Barium-133 | 105 | | 105 | |

L1626086-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1626086-03 07/11/23 19:56 • (DUP) R3947847-5 07/11/23 19:56

| 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 | 0.0742 | 0.185 | 0.305 | 0.0779 | 0.108 | 0.305 | 1 | 4.84 | 0.0172 | <u>J</u> | 20 | 3 |
| (T) Barium-133 | 96.5 | | | 95.9 | 95.9 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3947847-2 07/11/23 19:56

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.42 | 88.1 | 80.0-120 | |
| (T) Barium-133 | | | 82.9 | | |

L1626083-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-11 07/11/23 19:56 • (MS) R3947847-3 07/11/23 19:56 • (MSD) R3947847-4 07/11/23 19:56

| 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 | -0.0479 | 18.2 | 18.3 | 91.2 | 91.5 | 1 | 75.0-125 | | | 0.274 | | 20 |
| (T) Barium-133 | | 94.2 | | | 101 | 103 | | | | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3947927-1 07/12/23 09:41

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | 0.0193 | <u>U</u> | 0.0480 | 0.0791 |
| (T) Barium-133 | 99.3 | | 99.3 | |

L1626090-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1626090-11 07/12/23 09:42 • (DUP) R3947927-5 07/12/23 09:41

| 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 | 0.147 | 0.146 | 0.169 | 0.00608 | 0.205 | 0.169 | 1 | 184 | 0.560 | <u>U</u> | 20 | 3 |
| (T) Barium-133 | 106 | | | 98.7 | 98.7 | | | | | | | |

Laboratory Control Sample (LCS)

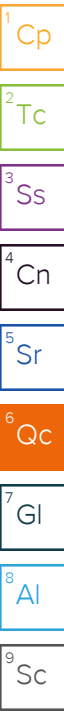
(LCS) R3947927-2 07/12/23 09:41

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.58 | 91.3 | 80.0-120 | |
| (T) Barium-133 | | | 103 | | |

L1626086-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626086-07 07/12/23 09:41 • (MS) R3947927-3 07/12/23 09:41 • (MSD) R3947927-4 07/12/23 09:41

| 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 | 0.376 | 18.6 | 19.0 | 91.2 | 93.3 | 1 | 75.0-125 | | | 2.23 | | 20 |
| (T) Barium-133 | | 93.7 | | | 94.0 | 93.5 | | | | | | | |



Guide to Reading and Understanding Your Laboratory Report

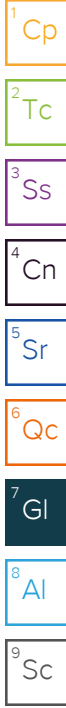
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDA | Minimum Detectable Activity. |
| Rec. | Recovery. |
| RER | Replicate Error Ratio. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (T) | Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation. |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |



ACCREDITATIONS & LOCATIONS

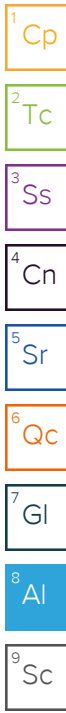
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| 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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.





Ship to :

Pace Analytical Services, LLC
 1638 Roseytown Rd - Suites 2,3,4
 Greensburg, PA 15601
 (724)850-5600

INTER_LABORATORY WORK ORDER # GF01342

(To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Sending Project No: | GF01342 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/12/2023 |
| REQUESTED COMPLETION DATE: | 7/3/2023 |

Handwritten signature/initials

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____

Report Wet or Dry Weight? _____

Cert Needed: _____

IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-------------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 10 | | 10 | \$229.30 | \$2,293.00 |
| | | 1 | | 1 | \$0.00 | \$0.00 |
| | | 1 | | 1 | | \$0.00 |
| TOTAL | | | | | | \$2,293.00 |

Special Requirements:

Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Acctg. Code | Totals from above | Revenue Allocation | Client Services Dept. |
|------------------------------------|-------------|-------------------|--------------------|-----------------------|
| radiological | 38 | \$2,293.00 | \$1,834.40 | \$458.60 |
| * Custom Revenue Allocation | | TOTAL | \$1,834.40 | \$458.60 |

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region:

Yes No

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.
 When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to incorporate as needed.

| Tracking Numbers | | GRM Temperature |
|------------------|--|-----------------|
| 6319 6000 4262 | | 20.6±0=20.6 |
| " " 4332 | | 20.3±0=20.3 |
| " " 4398 | | 20.2±0=20.2 |
| " " 4343 | | 20.7±0=20.7 |
| " " 4284 | | 20.5±0=20.5 |

41626086

ANALYTICAL REPORT

July 19, 2023

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Pace IR - Peoria, IL

Sample Delivery Group: L1626083
Samples Received: 06/14/2023
Project Number: GF01733
Description: Vistra-Coffeen
Site: 001
Report To: Gail Schindler
2231 W. Altorfer Drive
Peoria, IL 61615

Entire Report Reviewed By:



Haley Torrence
Project Manager

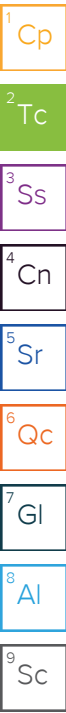
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory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

Pace Analytical National

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

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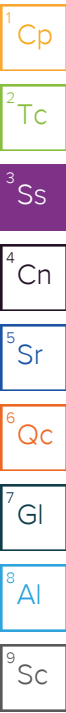
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| Cn: Case Narrative | 6 |
| Sr: Sample Results | 7 |
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| G200 L1626083-03 | 9 |
| EB-01 L1626083-04 | 10 |
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| G275D L1626083-07 | 13 |
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G212 L1626083-01 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 15:35 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |



G213 L1626083-02 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 16:49 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G200 L1626083-03 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 17:23 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

EB-01 L1626083-04 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/07/23 17:55 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G275 L1626083-05 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 12:00 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/13/23 20:53 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G275 DUP L1626083-06 Non-Potable Water

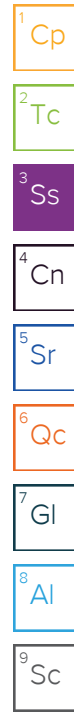
Collected by
Collected date/time
Received date/time
06/08/23 12:00 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G275D L1626083-07 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 13:13 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |



G280 L1626083-08 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 09:25 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G283 L1626083-09 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 14:32 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G285 L1626083-10 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 13:53 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090830 | 1 | 07/07/23 15:45 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090830 | 1 | 07/07/23 15:45 | 07/10/23 21:49 | RGT | Mt. Juliet, TN |

G281 L1626083-11 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 13:48 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

G270 L1626083-12 Non-Potable Water

Collected by
Collected date/time
Received date/time
06/08/23 09:54 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

SAMPLE SUMMARY

G284 L1626083-13 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/08/23 15:16 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

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

G217 L1626083-14 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/08/23 16:56 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090017 | 1 | 07/06/23 09:51 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 10:35 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

R201 L1626083-15 Non-Potable Water

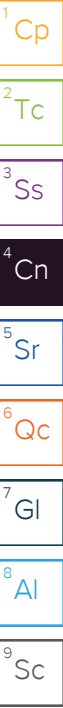
Collected by
 Collected date/time
 Received date/time
 06/07/23 15:40 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2090952 | 1 | 07/10/23 12:04 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2090952 | 1 | 07/10/23 12:04 | 07/11/23 19:56 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



Collected date/time: 06/07/23 15:31
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.187 | <u>U</u> | 0.415 | 0.777 | 07/13/2023 20:53 | WG2090017 |
| (T) Barium | 81.4 | | | 30.0-143 | 07/13/2023 20:53 | WG2090017 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/13/2023 20:53 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.194 | <u>U</u> | 0.446 | 0.838 | 07/13/2023 20:53 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|---------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.00696 | <u>U</u> | 0.164 | 0.314 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 105 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

G213

ATTACHMENT B.

SAMPLE RESULTS - 02

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626083

Collected date/time: 06/07/23 16:49
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.0797 | <u>U</u> | 0.293 | 0.556 | 07/13/2023 20:53 | WG2090017 |
| (T) Barium | 67.7 | | | 30.0-143 | 07/13/2023 20:53 | WG2090017 |
| (T) Yttrium | 110 | | | 30.0-136 | 07/13/2023 20:53 | WG2090017 |

- 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 | 0.399 | <u>J</u> | 0.394 | 0.642 | 07/13/2023 20:53 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.319 | <u>J</u> | 0.264 | 0.321 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 110 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 2.20 | | 0.495 | 0.869 | 07/13/2023 20:53 | WG2090017 |
| (T) Barium | 58.5 | | | 30.0-143 | 07/13/2023 20:53 | WG2090017 |
| (T) Yttrium | 114 | | | 30.0-136 | 07/13/2023 20:53 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 4.48 | | 0.736 | 0.893 | 07/13/2023 20:53 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 2.29 | | 0.545 | 0.205 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 128 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

- 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 | 0.350 | J | 0.261 | 0.484 | 07/13/2023 20:53 | WG2090017 |
| (T) Barium | 77.7 | | | 30.0-143 | 07/13/2023 20:53 | WG2090017 |
| (T) Yttrium | 113 | | | 30.0-136 | 07/13/2023 20:53 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.880 | | 0.400 | 0.558 | 07/13/2023 20:53 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.530 | | 0.303 | 0.278 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 112 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

G275

ATTACHMENT B.

SAMPLE RESULTS - 05

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626083

Collected date/time: 06/08/23 12:00
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.0751 | <u>U</u> | 0.346 | 0.650 | 07/13/2023 20:53 | WG2090017 |
| (T) Barium | 73.2 | | | 30.0-143 | 07/13/2023 20:53 | WG2090017 |
| (T) Yttrium | 117 | | | 30.0-136 | 07/13/2023 20:53 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.0751 | <u>U</u> | 0.388 | 0.749 | 07/13/2023 20:53 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | -0.121 | <u>U</u> | 0.175 | 0.373 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 94.0 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -0.903 | <u>U</u> | 0.449 | 0.848 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 69.3 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 88.8 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.0267 | <u>U</u> | 0.473 | 0.893 | 07/14/2023 10:35 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.0267 | <u>U</u> | 0.149 | 0.279 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 107 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.987 | | 0.377 | 0.666 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 73.2 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 94.0 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.34 | | 0.459 | 0.730 | 07/14/2023 10:35 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.352 | | 0.262 | 0.298 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 103 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

- 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 | 0.118 | <u>U</u> | 0.384 | 0.704 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 79.7 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 81.4 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.839 | | 0.524 | 0.764 | 07/14/2023 10:35 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.721 | | 0.357 | 0.296 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 123 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

Collected date/time: 06/08/23 14:35
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 2.22 | | 0.428 | 0.720 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 67.0 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 88.0 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 2.88 | | 0.547 | 0.791 | 07/14/2023 10:35 | WG2090830 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.664 | | 0.341 | 0.327 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 107 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

- 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 | 2.82 | | 0.289 | 0.423 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 70.9 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 103 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 3.10 | | 0.378 | 0.516 | 07/14/2023 10:35 | WG2090830 |

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 | 07/10/2023 21:49 | WG2090830 |
| (T) Barium-133 | 126 | | | 30.0-143 | 07/10/2023 21:49 | WG2090830 |

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

G281

ATTACHMENT B.

SAMPLE RESULTS - 11

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626083

Collected date/time: 06/08/23 13:45
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

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> | 0.397 | 0.728 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 73.4 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 96.1 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.000 | <u>U</u> | 0.405 | 0.769 | 07/14/2023 10:35 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|---------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | -0.0479 | <u>U</u> | 0.0794 | 0.249 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 94.2 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

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

G270

ATTACHMENT B.

SAMPLE RESULTS - 12

Collected date/time: 06/08/23 08:52

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626083

COFFEEN POWER PLANT

GMF RECYCLE POND

COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | -1.16 | <u>U</u> | 0.371 | 0.726 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 74.0 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 79.6 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.485 | <u>J</u> | 0.471 | 0.772 | 07/14/2023 10:35 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.485 | | 0.290 | 0.263 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 88.3 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

- 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 | 0.512 | J | 0.366 | 0.660 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 74.8 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 92.6 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.01 | | 0.488 | 0.742 | 07/14/2023 10:35 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.497 | | 0.323 | 0.339 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 95.9 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

- 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 | 0.435 | J | 0.410 | 0.741 | 07/14/2023 10:35 | WG2090017 |
| (T) Barium | 70.6 | | | 30.0-143 | 07/14/2023 10:35 | WG2090017 |
| (T) Yttrium | 86.9 | | | 30.0-136 | 07/14/2023 10:35 | WG2090017 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.574 | J | 0.445 | 0.778 | 07/14/2023 10:35 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|-----------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.140 | J | 0.173 | 0.238 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 91.2 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

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

R201

ATTACHMENT B.

SAMPLE RESULTS - 15

845 QUARTERLY REPORT - QUARTER 2, 2023

L1626083

Collected date/time: 06/07/23 15:40
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 1.14 | | 0.416 | 0.719 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 66.6 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 116 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

- 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 | 1.50 | | 0.501 | 0.778 | 07/14/2023 16:39 | WG2090952 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.360 | | 0.279 | 0.297 | 07/11/2023 19:56 | WG2090952 |
| (T) Barium-133 | 84.3 | | | 30.0-143 | 07/11/2023 19:56 | WG2090952 |

Method Blank (MB)
GMF RECYCLE POND
COFFEEN, IL

(MB) R3949552-1 07/13/23 20:53

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty + / - | MB MDA pCi/l |
|-------------|--------------------|--------------|-------------------------|-----------------|
| Radium-228 | 0.147 | <u>U</u> | 0.176 | 0.329 |
| (T) Barium | 80.6 | | 80.6 | |
| (T) Yttrium | 104 | | 104 | |

L1626083-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1626083-01 07/13/23 20:53 • (DUP) R3949552-5 07/13/23 20:53

| Analyte | Original Result pCi/l | Original Uncertainty + / - | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty + / - | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|-------------|--------------------------|-------------------------------|-----------------------|---------------------|--------------------------|------------------|----------|--------------|---------|---------------|---------------------|---------------|
| Radium-228 | 0.187 | 0.415 | 0.777 | -0.452 | 0.532 | 0.777 | 1 | 200 | 0.946 | <u>U</u> | 20 | 3 |
| (T) Barium | 81.4 | | | 69.6 | 69.6 | | | | | | | |
| (T) Yttrium | 105 | | | 114 | 114 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3949552-2 07/13/23 20:53

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228 | 5.00 | 5.49 | 110 | 80.0-120 | |
| (T) Barium | | | 76.9 | | |
| (T) Yttrium | | | 119 | | |

L1624831-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624831-18 07/13/23 20:53 • (MS) R3949552-3 07/13/23 20:53 • (MSD) R3949552-4 07/13/23 20:53

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | MS RER | RPD Limits % |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-228 | 16.7 | 0.226 | 21.7 | 18.5 | 129 | 109 | 1 | 70.0-130 | | | 16.0 | | 20 |
| (T) Barium | | 79.7 | | | 76.7 | 80.8 | | | | | | | |
| (T) Yttrium | | 121 | | | 107 | 117 | | | | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

(MB) R3949806-1 07/14/23 16:39

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|-------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-228 | -0.0717 | <u>U</u> | 0.214 | 0.391 |
| (T) Barium | 75.2 | | 75.2 | |
| (T) Yttrium | 103 | | 103 | |

L1626087-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1626087-01 07/14/23 16:39 • (DUP) R3949806-5 07/14/23 16:39

| 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-228 | 0.0607 | 0.339 | 0.611 | 0.575 | 0.509 | 0.611 | 1 | 162 | 0.841 | <u>J</u> | 20 | 3 |
| (T) Barium | 75.6 | | | 73.0 | 73.0 | | | | | | | |
| (T) Yttrium | 99.0 | | | 106 | 106 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3949806-2 07/14/23 16:39

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-228 | 5.00 | 5.82 | 116 | 80.0-120 | |
| (T) Barium | | | 78.0 | | |
| (T) Yttrium | | | 95.3 | | |

L1626083-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-15 07/14/23 16:39 • (MS) R3949806-3 07/14/23 16:39 • (MSD) R3949806-4 07/14/23 16:39

| 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-228 | 10.0 | 1.14 | 13.2 | 13.1 | 120 | 120 | 1 | 70.0-130 | | | 0.304 | | 20 |
| (T) Barium | | 66.6 | | | 75.7 | 76.3 | | | | | | | |
| (T) Yttrium | | 116 | | | 116 | 116 | | | | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)
 GMF RECYCLE POND
 COFFEEEN, IL

(MB) R3947945-1 07/10/23 21:49

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | 0.00648 | <u>U</u> | 0.0284 | 0.0563 |
| (T) Barium-133 | 98.6 | | 98.6 | |

L1624825-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1624825-03 07/10/23 21:49 • (DUP) R3947945-5 07/10/23 21:49

| 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 | 1.08 | 0.405 | 0.264 | 1.13 | 0.413 | 0.264 | 1 | 5.17 | 0.0985 | | 20 | 3 |
| (T) Barium-133 | 88.8 | | | 75.1 | 75.1 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3947945-2 07/10/23 21:49

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.90 | 97.8 | 80.0-120 | |
| (T) Barium-133 | | | 93.2 | | |

L1624825-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624825-08 07/10/23 21:49 • (MS) R3947945-3 07/10/23 21:49 • (MSD) R3947945-4 07/10/23 21:49

| 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 | 0.351 | 16.6 | 19.0 | 81.1 | 93.4 | 1 | 75.0-125 | | | 13.9 | | 20 |
| (T) Barium-133 | | 97.6 | | | 71.4 | 63.9 | | | | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)
GMF RECYCLE POND
COFFEEN, IL

(MB) R3947847-1 07/11/23 15:40

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | -0.00573 | <u>U</u> | 0.0205 | 0.0441 |
| (T) Barium-133 | 105 | | 105 | |

L1626086-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1626086-03 07/11/23 19:56 • (DUP) R3947847-5 07/11/23 19:56

| 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 | 0.0742 | 0.185 | 0.305 | 0.0779 | 0.108 | 0.305 | 1 | 4.84 | 0.0172 | <u>J</u> | 20 | 3 |
| (T) Barium-133 | 96.5 | | | 95.9 | 95.9 | | | | | | | |

Laboratory Control Sample (LCS)

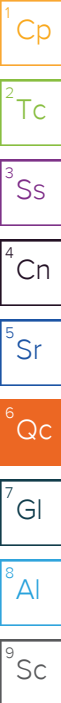
(LCS) R3947847-2 07/11/23 19:56

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.42 | 88.1 | 80.0-120 | |
| (T) Barium-133 | | | 82.9 | | |

L1626083-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-11 07/11/23 19:56 • (MS) R3947847-3 07/11/23 19:56 • (MSD) R3947847-4 07/11/23 19:56

| 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 | -0.0479 | 18.2 | 18.3 | 91.2 | 91.5 | 1 | 75.0-125 | | | 0.274 | | 20 |
| (T) Barium-133 | | 94.2 | | | 101 | 103 | | | | | | | |



Guide to Reading and Understanding Your Laboratory Report

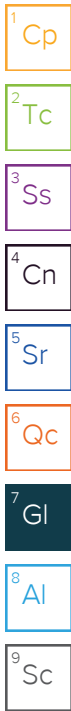
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |



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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Ship to :
 Pace Analytical Services, LLC
 1638 Roseytown Rd - Suites 2,3,4
 Greensburg, PA 15601
 (724)850-5600

INTER LABORATORY WORK ORDER # GF01733

(To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Receiving Project No: | GF01733 |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/12/2023 |
| REQUESTED COMPLETION DATE: | 7/3/2023 |

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____

Report Wet or Dry Weight? _____

Cert Needed: _____

IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-------------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 15 | | 15 | \$229.30 | \$3,439.50 |
| | | 1 | | 1 | \$0.00 | \$0.00 |
| | | 1 | | 1 | | \$0.00 |
| TOTAL | | | | | | \$3,439.50 |

Special Requirements: _____

Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Actcg. Code | Totals from above | | Revenue Allocation | |
|------------------------------------|-------------|------------------------|-----------------------|--------------------|--|
| | | Receiving Region (80%) | Client Services Dept. | | |
| radiological | 38 | \$3,439.50 | \$2,751.60 | \$687.90 | |
| * Custom Revenue Allocation | | TOTAL | \$2,751.60 | \$687.90 | |

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region:

Yes No

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.
 When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

| Tracking Numbers | GRM Temperature |
|------------------|-----------------|
| 6319 6000 4262 | 20.6±0=20.6 |
| " " 4332 | 20.3±0=20.3 |
| " " 4398 | 20.2±0=20.2 |
| " " 4343 | 20.7±0=20.7 |
| " " 4284 | 20.5±0=20.5 |

U1626083



ANALYTICAL REPORT

July 19, 2023

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

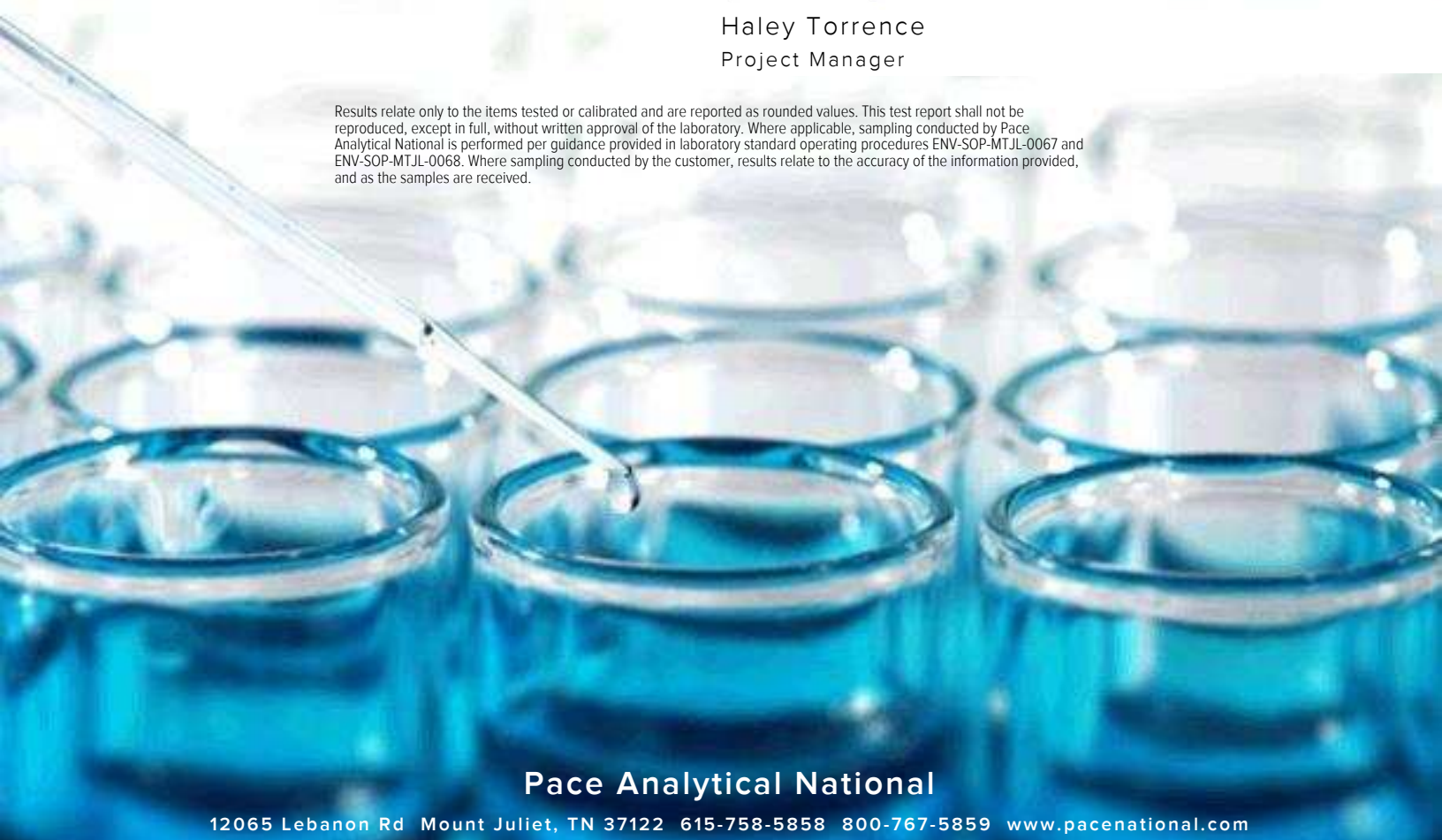
Pace IR - Peoria, IL

Sample Delivery Group: L1626087
 Samples Received: 06/14/2023
 Project Number: GF01900
 Description: Vistra-Coffeen
 Site: 001
 Report To: Gail Schindler
 2231 W. Altorfer Drive
 Peoria, IL 61615

Entire Report Reviewed By:

Haley Torrence
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

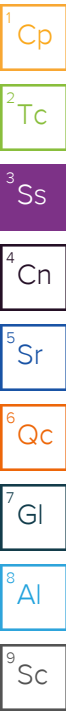
| | | |
|----|----|---|
| 1 | 1 |  |
| 2 | 2 |  |
| 3 | 3 |  |
| 4 | 4 |  |
| 5 | 5 |  |
| 5 | 5 |  |
| 6 | 6 |  |
| 7 | 7 |  |
| 8 | 8 |  |
| 9 | 9 |  |
| 9 | 9 |  |
| 10 | 10 |  |
| 11 | 11 |  |
| 12 | 12 |  |
| 13 | 13 |  |

SAMPLE SUMMARY

G206 L1626087-01 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/09/23 13:20 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |



G206 DUP L1626087-02 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/09/23 13:20 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G206D L1626087-03 Non-Potable Water

Collected by
 Collected date/time
 Received date/time
 06/09/23 12:29 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

G209 L1626087-04 Non-Potable Water

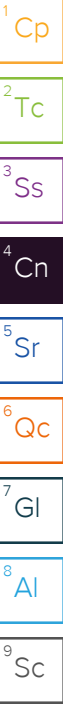
Collected by
 Collected date/time
 Received date/time
 06/09/23 09:44 06/14/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320 | WG2090394 | 1 | 07/06/23 17:46 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method Calculation | WG2091007 | 1 | 07/10/23 16:29 | 07/14/23 16:39 | SNR | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2091007 | 1 | 07/10/23 16:29 | 07/12/23 09:41 | RGT | Mt. Juliet, TN |

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.



Haley Torrence
Project Manager



Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.0607 | <u>U</u> | 0.339 | 0.611 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 75.6 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 99.0 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.227 | <u>U</u> | 0.385 | 0.656 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.166 | <u>J</u> | 0.182 | 0.240 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 92.5 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

- 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 | 1.20 | | 0.336 | 0.571 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 74.6 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 105 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 1.79 | | 0.519 | 0.704 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.589 | | 0.396 | 0.412 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 66.4 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

Collected date/time: 06/09/23 12:29
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Radiochemistry by Method 904/9320

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-228 | 0.372 | J | 0.319 | 0.568 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 71.7 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 121 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.701 | | 0.380 | 0.591 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.330 | | 0.206 | 0.164 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 101 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

- 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 | 0.0301 | <u>U</u> | 0.337 | 0.609 | 07/14/2023 16:39 | WG2090394 |
| (T) Barium | 74.4 | | | 30.0-143 | 07/14/2023 16:39 | WG2090394 |
| (T) Yttrium | 114 | | | 30.0-136 | 07/14/2023 16:39 | WG2090394 |

Radiochemistry by Method Calculation

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|-----------------|--------|-----------|-------------|-------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| Combined Radium | 0.292 | <u>J</u> | 0.407 | 0.665 | 07/14/2023 16:39 | WG2091007 |

Radiochemistry by Method SM7500Ra B M

| Analyte | Result | Qualifier | Uncertainty | MDA | Analysis Date | Batch |
|----------------|--------|-----------|-------------|----------|------------------|---------------------------|
| | pCi/l | | + / - | pCi/l | date / time | |
| RADIUM-226 | 0.262 | <u>J</u> | 0.229 | 0.267 | 07/12/2023 09:41 | WG2091007 |
| (T) Barium-133 | 91.5 | | | 30.0-143 | 07/12/2023 09:41 | WG2091007 |

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

Method Blank (MB)
 GMF RECYCLE POND
 COFFEEEN, IL

(MB) R3949806-1 07/14/23 16:39

| Analyte | MB Result pCi/l | MB Qualifier | MB Uncertainty + / - | MB MDA pCi/l |
|-------------|--------------------|--------------|-------------------------|-----------------|
| Radium-228 | -0.0717 | <u>U</u> | 0.214 | 0.391 |
| (T) Barium | 75.2 | | 75.2 | |
| (T) Yttrium | 103 | | 103 | |

L1626087-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1626087-01 07/14/23 16:39 • (DUP) R3949806-5 07/14/23 16:39

| Analyte | Original Result pCi/l | Original Uncertainty + / - | Original MDA pCi/l | DUP Result pCi/l | DUP Uncertainty + / - | DUP MDA pCi/l | Dilution | DUP RPD % | DUP RER | DUP Qualifier | DUP RPD Limits % | DUP RER Limit |
|-------------|--------------------------|-------------------------------|-----------------------|---------------------|--------------------------|------------------|----------|--------------|---------|---------------|---------------------|---------------|
| Radium-228 | 0.0607 | 0.339 | 0.611 | 0.575 | 0.509 | 0.611 | 1 | 162 | 0.841 | <u>J</u> | 20 | 3 |
| (T) Barium | 75.6 | | | 73.0 | 73.0 | | | | | | | |
| (T) Yttrium | 99.0 | | | 106 | 106 | | | | | | | |

Laboratory Control Sample (LCS)

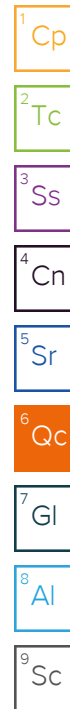
(LCS) R3949806-2 07/14/23 16:39

| Analyte | Spike Amount pCi/l | LCS Result pCi/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228 | 5.00 | 5.82 | 116 | 80.0-120 | |
| (T) Barium | | | 78.0 | | |
| (T) Yttrium | | | 95.3 | | |

L1626083-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626083-15 07/14/23 16:39 • (MS) R3949806-3 07/14/23 16:39 • (MSD) R3949806-4 07/14/23 16:39

| Analyte | Spike Amount pCi/l | Original Result pCi/l | MS Result pCi/l | MSD Result pCi/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | MS RER | RPD Limits % |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-228 | 10.0 | 1.14 | 13.2 | 13.1 | 120 | 120 | 1 | 70.0-130 | | | 0.304 | | 20 |
| (T) Barium | | 66.6 | | | 75.7 | 76.3 | | | | | | | |
| (T) Yttrium | | 116 | | | 116 | 116 | | | | | | | |



Method Blank (MB)
GMF RECYCLE POND
COFFEEEN, IL

(MB) R3947927-1 07/12/23 09:41

| Analyte | MB Result | MB Qualifier | MB Uncertainty | MB MDA |
|----------------|-----------|--------------|----------------|--------|
| | pCi/l | | + / - | pCi/l |
| Radium-226 | 0.0193 | <u>U</u> | 0.0480 | 0.0791 |
| (T) Barium-133 | 99.3 | | 99.3 | |

L1626090-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1626090-11 07/12/23 09:42 • (DUP) R3947927-5 07/12/23 09:41

| 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 | 0.147 | 0.146 | 0.169 | 0.00608 | 0.205 | 0.169 | 1 | 184 | 0.560 | <u>U</u> | 20 | 3 |
| (T) Barium-133 | 106 | | | 98.7 | 98.7 | | | | | | | |

Laboratory Control Sample (LCS)

(LCS) R3947927-2 07/12/23 09:41

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------|--------------|------------|----------|-------------|---------------|
| | pCi/l | pCi/l | % | % | |
| Radium-226 | 5.01 | 4.58 | 91.3 | 80.0-120 | |
| (T) Barium-133 | | | 103 | | |

L1626086-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1626086-07 07/12/23 09:41 • (MS) R3947927-3 07/12/23 09:41 • (MSD) R3947927-4 07/12/23 09:41

| 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 | 0.376 | 18.6 | 19.0 | 91.2 | 93.3 | 1 | 75.0-125 | | | 2.23 | | 20 |
| (T) Barium-133 | | 93.7 | | | 94.0 | 93.5 | | | | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

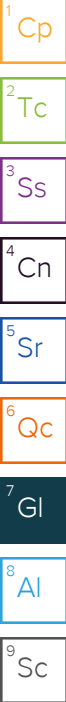
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDA | Minimum Detectable Activity. |
| Rec. | Recovery. |
| RER | Replicate Error Ratio. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (T) | Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation. |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

| | |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |



ACCREDITATIONS & LOCATIONS

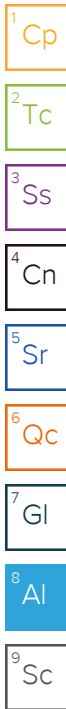
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| 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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.





Ship to :

Pace Analytical Services, LLC
 1638 Roseytown Rd - Suites 2,3,4
 Greensburg, PA 15601
 (724)850-5600

INTER LABORATORY WORK ORDER # GF01900
 (To be complete by sending lab)

| | |
|-------------------------------------|--------------------------|
| Sending Project No: | GF01900 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | <input type="checkbox"/> |
| Date Prepared: | 6/12/2023 |
| REQUESTED COMPLETION DATE: | 7/3/2023 |

110210087

| | | | |
|------------------------|------------|----------------------|------------------|
| Sending Region | IR72-IL/MO | Sending Project Mgr. | Gail Schindler |
| Receiving Region | MT JULIET | External Client | Vistra - Coffeen |
| State of Sample Origin | IL | QC Deliverable | STD Report |

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? _____ Cert Needed: IL

| WORK REQUESTED | | | | | | |
|--------------------|----------------|-------------|--------------|-------------|------------|-----------------|
| Method Description | Container Type | Quantity of | Preservative | Quantity of | Unit Price | Amount |
| Radium 226/228 | | 4 | | 4 | \$229.30 | \$917.20 |
| | | | | | | \$0.00 |
| | | | | | | \$0.00 |
| TOTAL | | | | | | \$917.20 |

Special Requirements: Report as 226, 228 & combined 226/228. Include QC summary

| Receiving Region Department | Actgr. Code | Totals from above | Revenue Allocation | Client Services Dept. |
|-----------------------------|-------------|-------------------|--------------------|-----------------------|
| radiological | 38 | \$917.20 | \$733.76 | \$183.44 |
| * Custom Revenue Allocation | | TOTAL | \$733.76 | \$183.44 |

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: Yes No

CONFIRMATION OF WORK COMPLETED
 Receiving Project Manager: _____

Date Completed: _____
 Original sent to the receiving lab - Copy kept at the sending lab.
 When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

| Tracking Numbers | | GRM Temperature |
|---------------------|--|--------------------|
| 6319 6008 4262 | | 20.6±0=20.6 |
| " " 4332 | | 20.3±0=20.3 |
| " " 4398 | | 20.2±0=20.2 |
| " " 4343 | | 20.7±0=20.7 |
| " " 4284 | | 20.5±0=20.5 |

6026087

GF01733
VMW 6-9-23

CHAIN-OF-CUSTODY / Analytical Request Document

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

| Section A Required Client Information: | | Section B Required Project Information: | | Section C Invoice Information: | | Page: 5 of 7 | | | | | | | | | | | | |
|--|--------------|---|--|--|--|---|-------------------|--|--|-------|--------------|----------------|-----|------|-------|---------------|--|------------------|
| Company: Vistra Corp | | Report To: Brian Voelker | | Attention: Jason Stuckey | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td>STATE: IL</td> </tr> </table> | REGULATORY AGENCY | | | NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER | Site Location | | STATE: IL |
| REGULATORY AGENCY | | | | | | | | | | | | | | | | | | |
| NPDES | GROUND WATER | DRINKING WATER | | | | | | | | | | | | | | | | |
| UST | RCRA | OTHER | | | | | | | | | | | | | | | | |
| Site Location | | STATE: IL | | | | | | | | | | | | | | | | |
| Address: 13498 E. 900th St | | Copy To: Jason Stuckey | | Company Name: Vistra Corp | | | | | | | | | | | | | | |
| Email To: Brian.Voelker@VistraCorp.com | | Purchase Order No.: | | Address: see Section A | | | | | | | | | | | | | | |
| Phone: (217) 753-8911 Fax: | | Project Name: | | Quote Reference: | | | | | | | | | | | | | | |
| Requested Due Date/TAT: 10 day | | Project Number: 2285 | | Project Manager: | | | | | | | | | | | | | | |
| | | | | Profile #: | | | | | | | | | | | | | | |

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE | COLLECTED | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | | Analysis Test Y/N | Requested Analysis Filtered (Y/N) | | | | | | | | | | | | Project No./ Lab I.D. | | | | |
|--------|--|-----------------------------------|-----------|------|---------------------------|-----------------|---------------|--------------------------------|------------------|-----|------|---|----------|-------|----------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------------------|------------------|--------------|-------------------------|---------------------------------------|
| | | | DATE | TIME | | | Unpreserved | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₅ | Methanol | Other | | COF_257_101 | COF_257_102 | COF_257_103 | COF_257_104 | COF_257_105 | COF_811_105 | COF_845_101 | COF_845_102 | COF_845_103 | COF_845_104 | COF_SUP_000 | COF_WPCP_102 | | COF_WPCP_103_104 | COF_WPCP_106 | Residual Chlorine (Y/N) | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | MATRIX CODE (see valid codes to left) |
| 1 | G212 | | 6/7/23 | 1535 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | G213 | | | 1649 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | S200 | | | 1723 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | R201 | | | 1540 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | FB-01 | | | 1755 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | G275 | | 6/8/23 | 1200 | 15 | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | G275 Dup | | | 1200 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | G275D | | | 1313 | 13 | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | G280 | | | 0925 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | G283 | | | 1432 | 13 | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | G285 | | | 1353 | 13 | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | R205 | | | 1515 | 6 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | G281 | | | 1348 | 14 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | G272 | | | 1210 | 6 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | G274 | | | 1104 | 6 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | G270 | | | 0954 | 15 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------------------------------------|--|-------------------------------|--|--------|------|---------------------------|--|--------|------|-------------------|-----------------------|-----------------------------|----------------------|
| ADDITIONAL COMMENTS | | RELINQUISHED BY / AFFILIATION | | DATE | TIME | ACCEPTED BY / AFFILIATION | | DATE | TIME | SAMPLE CONDITIONS | | | |
| COF-23Q2 Rev 1 | | James David | | 6/8/23 | 2055 | Van Wagner | | 6-8-23 | 650 | 4.2 | Y | N | Y |
| 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: James David | | | | | | | | | | | | | |
| SIGNATURE of SAMPLER: James David | | | | | | | | | | | | | |

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

Page: 7 of

Section A
Required Client Information:
Company: Visira Corp
Address: 13498 E. 900th St
Email To: Brian.Voelker@VisiraCorp.com
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: 10 day

Section B
Required Project Information:
Report To: Brian Voelker
Copy To: Jason Stuckey
Purchase Order No.:
Project Name:
Project Number: 2285

Section C
Invoice Information:
Attention: Jason Stuckey
Company Name: Visira Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location IL
STATE: IL

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL GAS GAS WIFE AIR OTHER TISSUE TS | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | # OF CONTAINERS | UNPRESERVED | PRESERVATIVES | | | | | | ANALYSIS TEST | Requested Analysis Filtered (Y/N) | Project No./ Lab I.D. |
|--------|--|---|---------------------------------------|-----------------------------|-----------|------|-----------------|-------------|--------------------------------|------------------|-----|------|---|----------|---------------|-----------------------------------|-----------------------|
| | | | | | DATE | TIME | | | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₃ | Methanol | | | |
| 1 | | | WT | G | 6/4/23 | 1320 | 15 | X | X | X | X | X | X | X | | | |
| 2 | | | WT | G | 6/9/23 | 1320 | 15 | X | X | X | X | X | X | X | | | |
| 3 | | | WT | G | 6/9/23 | 1229 | 13 | X | X | X | X | X | X | X | | | |
| 4 | | | WT | G | 6/9/23 | 1034 | 6 | X | X | X | X | X | X | X | | | |
| 5 | | | WT | G | 6/9/23 | 0944 | 15 | X | X | X | X | X | X | X | | | |
| 6 | | | WT | G | 6/4/23 | 1343 | 6 | X | X | X | X | X | X | X | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS
COF-23Q2 Rev 1

RELINQUISHED BY / AFFILIATION: [Signature] DATE: 6/19/23 TIME: 1614

ACCEPTED BY / AFFILIATION: Van Way DATE: 6-23-23 TIME: 1614

Temp in °C: 3.1

Received on: Y Ice (Y/N): Y Cooled (Y/N): N Sample Intact (Y/N): Y

SAMPLER NAME AND SIGNATURE: [Signature]
PRINT Name of SAMPLER: Harvey Rembertson
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YYYY): 06/09/23

**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
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G271 | UA | E001 | Antimony, total | mg/L | 11/23/15 - 06/06/23 | 22 | 100 | All ND - Last | 0.003 | 0.003 |
| G271 | UA | E001 | Arsenic, total | mg/L | 11/23/15 - 06/06/23 | 24 | 76 | CI around median | 0.001 | 0.00660 |
| G271 | UA | E001 | Barium, total | mg/L | 11/23/15 - 06/06/23 | 25 | 0 | CB around T-S line | 0.0146 | 0.110 |
| G271 | UA | E001 | Beryllium, total | mg/L | 11/23/15 - 06/06/23 | 22 | 97 | CI around median | 0.001 | 0.001 |
| G271 | UA | E001 | Boron, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CI around geomean | 0.683 | 1.00 |
| G271 | UA | E001 | Cadmium, total | mg/L | 11/23/15 - 06/06/23 | 22 | 98 | CI around median | 0.001 | 0.001 |
| G271 | UA | E001 | Chloride, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CB around linear reg | 47 | 67.0 |
| G271 | UA | E001 | Chromium, total | mg/L | 11/23/15 - 06/06/23 | 24 | 83 | CI around median | 0.004 | 0.0190 |
| G271 | UA | E001 | Cobalt, total | mg/L | 11/23/15 - 06/06/23 | 24 | 86 | CI around median | 0.002 | 0.00590 |
| G271 | UA | E001 | Fluoride, total | mg/L | 11/23/15 - 06/06/23 | 26 | 8 | CI around mean | 0.32 | 0.564 |
| G271 | UA | E001 | Lead, total | mg/L | 11/23/15 - 06/06/23 | 25 | 63 | CI around median | 0.001 | 0.0120 |
| G271 | UA | E001 | Lithium, total | mg/L | 11/23/15 - 06/06/23 | 20 | 100 | All ND - Last | 0.02 | 0.0190 |
| G271 | UA | E001 | Mercury, total | mg/L | 11/23/15 - 06/06/23 | 22 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G271 | UA | E001 | Molybdenum, total | mg/L | 11/23/15 - 06/06/23 | 25 | 67 | CI around median | 0.001 | 0.00450 |
| G271 | UA | E001 | pH (field) | SU | 11/23/15 - 06/06/23 | 28 | 0 | CI around mean | 7.1/7.3 | 6.6/7.6 |
| G271 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/23/15 - 06/06/23 | 20 | 0 | CI around geomean | 0.352 | 1.60 |
| G271 | UA | E001 | Selenium, total | mg/L | 11/23/15 - 06/06/23 | 24 | 6 | CI around mean | 0.0016 | 0.00480 |
| G271 | UA | E001 | Sulfate, total | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CB around linear reg | 205 | 94.0 |
| G271 | UA | E001 | Thallium, total | mg/L | 11/23/15 - 06/06/23 | 23 | 97 | CI around median | 0.001 | 0.001 |
| G271 | UA | E001 | Total Dissolved Solids | mg/L | 11/23/15 - 06/06/23 | 26 | 0 | CI around mean | 816 | 551 |
| G273 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.003 | 0.003 |
| G273 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/05/23 | 25 | 86 | CI around median | 0.001 | 0.00660 |
| G273 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 0 | CI around median | 0.028 | 0.110 |
| G273 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.001 | 0.001 |
| G273 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/05/23 | 26 | 6 | CB around T-S line | -0.0843 | 1.00 |
| G273 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 98 | CI around median | 0.001 | 0.001 |
| G273 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around T-S line | 69.9 | 67.0 |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G273 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/05/23 | 24 | 100 | All ND - Last | 0.004 | 0.0190 |
| G273 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/05/23 | 24 | 97 | CI around median | 0.002 | 0.00590 |
| G273 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 18 | CI around mean | 0.296 | 0.564 |
| G273 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/05/23 | 25 | 90 | CI around median | 0.001 | 0.0120 |
| G273 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/05/23 | 20 | 90 | CB around T-S line | 0.01 | 0.0190 |
| G273 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G273 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/05/23 | 25 | 89 | CI around median | 0.001 | 0.00450 |
| G273 | UA | E001 | pH (field) | SU | 11/24/15 - 06/05/23 | 28 | 0 | CI around mean | 7.0/7.2 | 6.6/7.6 |
| G273 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/05/23 | 20 | 0 | CB around linear reg | -0.541 | 1.60 |
| G273 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 95 | CI around median | 0.001 | 0.00480 |
| G273 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CI around median | 410 | 94.0 |
| G273 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/05/23 | 23 | 94 | CI around median | 0.001 | 0.001 |
| G273 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around linear reg | 1,010 | 551 |
| G275 | UA | E001 | Antimony, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.003 |
| G275 | UA | E001 | Arsenic, total | mg/L | 10/14/20 - 06/08/23 | 9 | 55 | CI around median | 0.001 | 0.00660 |
| G275 | UA | E001 | Barium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around median | 0.024 | 0.110 |
| G275 | UA | E001 | Beryllium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G275 | UA | E001 | Boron, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 1.29 | 1.00 |
| G275 | UA | E001 | Cadmium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G275 | UA | E001 | Chloride, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 18.1 | 67.0 |
| G275 | UA | E001 | Chromium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 94 | Most recent sample | 0.004 | 0.0190 |
| G275 | UA | E001 | Cobalt, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.00590 |
| G275 | UA | E001 | Fluoride, total | mg/L | 10/14/20 - 06/08/23 | 9 | 11 | CI around mean | 0.251 | 0.564 |
| G275 | UA | E001 | Lead, total | mg/L | 10/14/20 - 06/08/23 | 9 | 58 | Most recent sample | 0.001 | 0.0120 |
| G275 | UA | E001 | Lithium, total | mg/L | 06/08/23 - 06/08/23 | 1 | 100 | Most recent sample | 0.02 | 0.0190 |
| G275 | UA | E001 | Mercury, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G275 | UA | E001 | Molybdenum, total | mg/L | 10/14/20 - 06/08/23 | 9 | 90 | Most recent sample | 0.001 | 0.00450 |

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------------------|--------------------|------------|
| G275 | UA | E001 | pH (field) | SU | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 6.9/7.1 | 6.6/7.6 |
| G275 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 06/08/23 - 06/08/23 | 1 | 0 | Most recent sample | 0.0751 | 1.60 |
| G275 | UA | E001 | Selenium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 83 | Most recent sample | 0.001 | 0.00480 |
| G275 | UA | E001 | Sulfate, total | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CB around linear reg | 216 | 94.0 |
| G275 | UA | E001 | Thallium, total | mg/L | 10/14/20 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G275 | UA | E001 | Total Dissolved Solids | mg/L | 10/14/20 - 06/08/23 | 9 | 0 | CI around mean | 914 | 551 |
| G275D | DA | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.003 | 0.003 |
| G275D | DA | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.00205 | 0.00660 |
| G275D | DA | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.292 | 0.110 |
| G275D | DA | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.001 |
| G275D | DA | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.212 | 1.00 |
| G275D | DA | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.001 |
| G275D | DA | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 23.5 | 67.0 |
| G275D | DA | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 83 | CI around median (Last Sample, n<7) | 0.004 | 0.0190 |
| G275D | DA | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 6 | 50 | CI around mean | 0.00138 | 0.00590 |
| G275D | DA | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.35 | 0.564 |
| G275D | DA | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 6 | 83 | CI around median (Last Sample, n<7) | 0.001 | 0.0120 |
| G275D | DA | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.02 | 0.0190 |
| G275D | DA | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G275D | DA | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 0.00904 | 0.00450 |
| G275D | DA | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 7.0/7.3 | 6.6/7.6 |
| G275D | DA | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 7 | 0 | CI around mean | 0.245 | 1.60 |
| G275D | DA | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.00480 |
| G275D | DA | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 135 | 94.0 |
| G275D | DA | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 6 | 100 | All ND - Last | 0.001 | 0.001 |
| G275D | DA | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 6 | 0 | CI around mean | 905 | 551 |
| G276 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.003 | 0.003 |

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G276 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/05/23 | 25 | 85 | Most recent sample | 0.001 | 0.00660 |
| G276 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 0 | CB around linear reg | 0.0373 | 0.110 |
| G276 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 94 | Most recent sample | 0.001 | 0.001 |
| G276 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/05/23 | 26 | 10 | CI around geomean | 0.0168 | 1.00 |
| G276 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.001 | 0.001 |
| G276 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CI around mean | 22.3 | 67.0 |
| G276 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/05/23 | 24 | 91 | Most recent sample | 0.004 | 0.0190 |
| G276 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/05/23 | 24 | 97 | Most recent sample | 0.002 | 0.00590 |
| G276 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/05/23 | 26 | 6 | CI around median | 0.345 | 0.564 |
| G276 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/05/23 | 25 | 79 | CI around median | 0.001 | 0.0120 |
| G276 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/05/23 | 20 | 50 | CB around linear reg | 0.0185 | 0.0190 |
| G276 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/05/23 | 22 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G276 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/05/23 | 25 | 81 | CI around median | 0.001 | 0.00450 |
| G276 | UA | E001 | pH (field) | SU | 11/24/15 - 06/05/23 | 27 | 0 | CB around linear reg | 6.7/7.0 | 6.6/7.6 |
| G276 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/05/23 | 20 | 0 | CI around geomean | 0.305 | 1.60 |
| G276 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/05/23 | 25 | 31 | CB around linear reg | 0.000805 | 0.00480 |
| G276 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around linear reg | 256 | 94.0 |
| G276 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/05/23 | 23 | 100 | All ND - Last | 0.001 | 0.001 |
| G276 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/05/23 | 26 | 0 | CB around T-S line | 820 | 551 |
| G277 | UA | E001 | Antimony, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.003 | 0.003 |
| G277 | UA | E001 | Arsenic, total | mg/L | 10/14/20 - 06/01/23 | 10 | 57 | CI around median | 0.001 | 0.00660 |
| G277 | UA | E001 | Barium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 0.08 | 0.110 |
| G277 | UA | E001 | Beryllium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 88 | Most recent sample | 0.001 | 0.001 |
| G277 | UA | E001 | Boron, total | mg/L | 10/14/20 - 06/01/23 | 10 | 14 | CB around linear reg | 0.111 | 1.00 |
| G277 | UA | E001 | Cadmium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.001 |
| G277 | UA | E001 | Chloride, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 58.1 | 67.0 |
| G277 | UA | E001 | Chromium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 59 | CI around median | 0.004 | 0.0190 |

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G277 | UA | E001 | Cobalt, total | mg/L | 10/14/20 - 06/01/23 | 10 | 76 | Most recent sample | 0.002 | 0.00590 |
| G277 | UA | E001 | Fluoride, total | mg/L | 10/14/20 - 06/01/23 | 10 | 12 | CI around median | 0.125 | 0.564 |
| G277 | UA | E001 | Lead, total | mg/L | 10/14/20 - 06/01/23 | 10 | 54 | CI around median | 0.001 | 0.0120 |
| G277 | UA | E001 | Lithium, total | mg/L | 06/01/23 - 06/01/23 | 1 | 100 | Most recent sample | 0.02 | 0.0190 |
| G277 | UA | E001 | Mercury, total | mg/L | 10/14/20 - 06/01/23 | 10 | 94 | Most recent sample | 0.0002 | 0.0002 |
| G277 | UA | E001 | Molybdenum, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.00450 |
| G277 | UA | E001 | pH (field) | SU | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 6.7/7.1 | 6.6/7.6 |
| G277 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 06/01/23 - 06/01/23 | 1 | 0 | Most recent sample | 1.05 | 1.60 |
| G277 | UA | E001 | Selenium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 59 | CI around median | 0.001 | 0.00480 |
| G277 | UA | E001 | Sulfate, total | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 262 | 94.0 |
| G277 | UA | E001 | Thallium, total | mg/L | 10/14/20 - 06/01/23 | 10 | 100 | All ND - Last | 0.001 | 0.001 |
| G277 | UA | E001 | Total Dissolved Solids | mg/L | 10/14/20 - 06/01/23 | 10 | 0 | CI around mean | 889 | 551 |
| G279 | UA | E001 | Antimony, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.003 | 0.003 |
| G279 | UA | E001 | Arsenic, total | mg/L | 11/24/15 - 06/01/23 | 26 | 79 | CI around median | 0.001 | 0.00660 |
| G279 | UA | E001 | Barium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 0 | CB around linear reg | 0.0285 | 0.110 |
| G279 | UA | E001 | Beryllium, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.001 | 0.001 |
| G279 | UA | E001 | Boron, total | mg/L | 11/24/15 - 06/01/23 | 27 | 21 | CI around geomean | 0.113 | 1.00 |
| G279 | UA | E001 | Cadmium, total | mg/L | 11/24/15 - 06/01/23 | 23 | 100 | All ND - Last | 0.001 | 0.001 |
| G279 | UA | E001 | Chloride, total | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around median | 61 | 67.0 |
| G279 | UA | E001 | Chromium, total | mg/L | 11/24/15 - 06/01/23 | 25 | 89 | CI around median | 0.004 | 0.0190 |
| G279 | UA | E001 | Cobalt, total | mg/L | 11/24/15 - 06/01/23 | 25 | 86 | CI around median | 0.002 | 0.00590 |
| G279 | UA | E001 | Fluoride, total | mg/L | 11/24/15 - 06/01/23 | 27 | 8 | CI around mean | 0.337 | 0.564 |
| G279 | UA | E001 | Lead, total | mg/L | 11/24/15 - 06/01/23 | 26 | 83 | CI around median | 0.001 | 0.0120 |
| G279 | UA | E001 | Lithium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 77 | CB around T-S line | 0.0169 | 0.0190 |
| G279 | UA | E001 | Mercury, total | mg/L | 11/24/15 - 06/01/23 | 23 | 97 | Most recent sample | 0.0002 | 0.0002 |
| G279 | UA | E001 | Molybdenum, total | mg/L | 11/24/15 - 06/01/23 | 26 | 86 | CI around median | 0.001 | 0.00450 |
| G279 | UA | E001 | pH (field) | SU | 11/24/15 - 06/01/23 | 27 | 0 | CB around linear reg | 6.5/6.8 | 6.6/7.6 |

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G279 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 11/24/15 - 06/01/23 | 26 | 0 | CI around mean | 0.654 | 1.60 |
| G279 | UA | E001 | Selenium, total | mg/L | 11/24/15 - 06/01/23 | 26 | 21 | CB around linear reg | -0.00349 | 0.00480 |
| G279 | UA | E001 | Sulfate, total | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around geomean | 368 | 94.0 |
| G279 | UA | E001 | Thallium, total | mg/L | 11/24/15 - 06/01/23 | 24 | 100 | All ND - Last | 0.001 | 0.001 |
| G279 | UA | E001 | Total Dissolved Solids | mg/L | 11/24/15 - 06/01/23 | 27 | 0 | CI around geomean | 1,080 | 551 |
| G283 | LCU | E001 | Antimony, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.003 |
| G283 | LCU | E001 | Arsenic, total | mg/L | 03/31/21 - 06/08/23 | 9 | 44 | CI around median | 0.001 | 0.00660 |
| G283 | LCU | E001 | Barium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around median | 0.16 | 0.110 |
| G283 | LCU | E001 | Beryllium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G283 | LCU | E001 | Boron, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0349 | 1.00 |
| G283 | LCU | E001 | Cadmium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G283 | LCU | E001 | Chloride, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 36.9 | 67.0 |
| G283 | LCU | E001 | Chromium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.0190 |
| G283 | LCU | E001 | Cobalt, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.00590 |
| G283 | LCU | E001 | Fluoride, total | mg/L | 03/31/21 - 06/08/23 | 9 | 22 | CI around mean | 0.279 | 0.564 |
| G283 | LCU | E001 | Lead, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 |
| G283 | LCU | E001 | Lithium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.0190 |
| G283 | LCU | E001 | Mercury, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G283 | LCU | E001 | Molybdenum, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around geomean | 0.00152 | 0.00450 |
| G283 | LCU | E001 | pH (field) | SU | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 7.0/7.1 | 6.6/7.6 |
| G283 | LCU | E001 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 0.374 | 1.60 |
| G283 | LCU | E001 | Selenium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.00480 |
| G283 | LCU | E001 | Sulfate, total | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 237 | 94.0 |
| G283 | LCU | E001 | Thallium, total | mg/L | 03/31/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G283 | LCU | E001 | Total Dissolved Solids | mg/L | 03/31/21 - 06/08/23 | 9 | 0 | CI around mean | 768 | 551 |
| G284 | UA | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.003 |
| G284 | UA | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | Most recent sample | 0.001 | 0.00660 |

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G284 | UA | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0624 | 0.110 |
| G284 | UA | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G284 | UA | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.0392 | 1.00 |
| G284 | UA | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G284 | UA | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 38.3 | 67.0 |
| G284 | UA | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.0190 |
| G284 | UA | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.002 | 0.00590 |
| G284 | UA | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.467 | 0.564 |
| G284 | UA | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 |
| G284 | UA | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.0190 |
| G284 | UA | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.0002 | 0.0002 |
| G284 | UA | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 9 | 44 | CI around median | 0.001 | 0.00450 |
| G284 | UA | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 7.1/7.3 | 6.6/7.6 |
| G284 | UA | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 0.0677 | 1.60 |
| G284 | UA | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.001 | 0.00480 |
| G284 | UA | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around geomean | 60.9 | 94.0 |
| G284 | UA | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G284 | UA | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 440 | 551 |
| G285 | LCU | E001 | Antimony, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.003 | 0.003 |
| G285 | LCU | E001 | Arsenic, total | mg/L | 03/30/21 - 06/08/23 | 9 | 56 | CI around median | 0.001 | 0.00660 |
| G285 | LCU | E001 | Barium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | 0.0104 | 0.110 |
| G285 | LCU | E001 | Beryllium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G285 | LCU | E001 | Boron, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 0.107 | 1.00 |
| G285 | LCU | E001 | Cadmium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.001 |
| G285 | LCU | E001 | Chloride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | -9.54 | 67.0 |
| G285 | LCU | E001 | Chromium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.004 | 0.0190 |
| G285 | LCU | E001 | Cobalt, total | mg/L | 03/30/21 - 06/08/23 | 9 | 22 | CB around linear reg | -0.000507 | 0.00590 |

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

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---------|-----|-------|--------------------------------|-------|---------------------|--------------|------------|-------------------------|--------------------|------------|
| G285 | LCU | E001 | Fluoride, total | mg/L | 03/30/21 - 06/08/23 | 9 | 33 | CI around mean | 0.263 | 0.564 |
| G285 | LCU | E001 | Lead, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.0120 |
| G285 | LCU | E001 | Lithium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.02 | 0.0190 |
| G285 | LCU | E001 | Mercury, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.0002 | 0.0002 |
| G285 | LCU | E001 | Molybdenum, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CB around linear reg | -0.000793 | 0.00450 |
| G285 | LCU | E001 | pH (field) | SU | 03/30/21 - 06/08/23 | 9 | 0 | CI around median | 6.8/6.9 | 6.6/7.6 |
| G285 | LCU | E001 | Radium 226 + Radium 228, total | pCi/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 1.18 | 1.60 |
| G285 | LCU | E001 | Selenium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 100 | All ND - Last | 0.001 | 0.00480 |
| G285 | LCU | E001 | Sulfate, total | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 535 | 94.0 |
| G285 | LCU | E001 | Thallium, total | mg/L | 03/30/21 - 06/08/23 | 9 | 89 | CI around median | 0.001 | 0.001 |
| G285 | LCU | E001 | Total Dissolved Solids | mg/L | 03/30/21 - 06/08/23 | 9 | 0 | CI around mean | 1,430 | 551 |

Notes:

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

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

For pH, the values presented are the lower / upper limits of the background determination