

West Des Moines, IA

PROJECT: BMC Ag, GW Reporting 2024-2026, IA 27224342.00 DATE: 1/29/2026

SUBJECT: 2026-01-29_BMC Aggregates L.C. Waterloo South Quarry - 07-BUD-20-02 - 2025 Annual Water Quality Report TRANSMITTAL ID: 00002

PURPOSE: For your approval VIA: Info Exchange

FROM

| NAME | COMPANY | EMAIL | PHONE |
|------------------------------------|---------------|------------------------|-----------------|
| Nathan Ohrt West Des Moines, IA | SCS Engineers | NOhrt@scsengineers.com | +1-515-415-9220 |

TO

| NAME | COMPANY | EMAIL | PHONE |
|--------------------------|---------|--------------------------|-------|
| chad.stobbe@dnr.iowa.gov | | chad.stobbe@dnr.iowa.gov | |

REMARKS: Good morning Chad-

SCS Engineers, on behalf of BMC Aggregates, L.C., is submitting for download the 2025 Annual Water Quality Report for the South Quarry Beneficial Use site. If you have any questions or comments regarding this report, please contact me at the number below, Thank you.

Nathan Ohrt
Senior Project Professional
SCS Engineers
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DESCRIPTION OF CONTENTS

| QTY | DATED | TITLE | NOTES |
|-----|-----------|--|-------|
| 1 | 1/29/2026 | 2026-01-29_BMC Aggregates L.C. Waterloo South Quarry - 07-BUD-20-02 - 2025 Annual Water Quality Report.pdf | |

COPIES:

Transmittal

DATE: 1/29/2026
TRANSMITTAL ID: 00002

Nathan Ohrt
Sherman Lundy
Becky Jolly

(SCS Engineers)
(BMC Aggregates, L.C.)

January 29, 2026
File No. 27224342.00

Mr. Chad Stobbe
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2025 Annual Water Quality Report
BMC Aggregates L.C. Waterloo South Quarry
Beneficial Use Site
Permit No. 07-BUD-20-02

Dear Chad:

SCS Engineers, on behalf of BMC Aggregates, L.C., has completed the statistical evaluation and annual water quality reporting for the BMC Aggregates L.C. Waterloo South Quarry Beneficial Use Site for the year 2025. Groundwater sampling was performed by BMC Aggregates L.C. personnel. Please find enclosed a copy of the 2025 Annual Water Quality Report and associated statistical evaluation.

If you have any questions regarding this report, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers



Timothy C. Buelow, P.E.
VP - Senior Project Advisor
SCS Engineers

NPO/TCB

Copies: Mr. Sherman Lundy, BMC Aggregates, L.C.



2025 Annual Water Quality Report

BMC Waterloo South Quarry
Beneficial Use Site
Permit #07-BUD-20-02
La Porte City, Iowa

SCS ENGINEERS

27224342.00 | January 2026

1690 All-State Ct., Suite 100
West Des Moines, IA 50265
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1.0 INTRODUCTION

1.1 PURPOSE

SCS Engineers (SCS), on behalf of BMC Aggregates, L.C., has completed the statistical evaluation of the groundwater data for the Waterloo South Quarry Beneficial Use site (South Quarry). BMC Aggregates, L.C. personnel performed the groundwater sampling. The purpose of this Annual Water Quality Report (AWQR) is to document and statistically evaluate the results for groundwater samples collected during 2025 from monitoring wells associated with the South Quarry.

1.2 REPORT PRIORITY

In correspondence dated May 30, 2025 (Doc #113156), the DNR requested a table showing the maintenance (completed and scheduled) for all monitoring wells. **Table 1** below shows the maintenance log.

Table 1. Well Maintenance Summary

| Monitoring Wells | Completed Maintenance | Scheduled Maintenance |
|------------------|-----------------------|-----------------------|
| Reiter Farm (b) | None | None anticipated |
| Well #1 | None | None anticipated |
| Well #2 | None | None anticipated |
| Well #3 | None | None anticipated |
| Well #4 | None | None anticipated |

(b) denotes background monitoring well.

Mr. Sherman Lundy stated that the well sites are checked during sampling and periodically apart from sampling to ensure that the sites are clear of any debris or other disturbance. No maintenance has been necessary or is anticipated for the monitoring wells.

1.3 SITE LOCATION

The South Quarry property is depicted in **Figure 1**, Site Map. The facility is located near the intersection of State Highway V37 (Dysart Road) and East Eagle Road near La Porte City in Black Hawk County, Iowa. The locations of the monitoring wells are also shown in **Figure 1**.

1.4 BACKGROUND

The *Beneficial Use Determination (BUD)* dated November 18, 2022 (Doc #104627) states that the materials approved for fill are waste foundry sand generated by the John Deere foundry in Waterloo, Iowa and coal combustion residue (CCR) generated by the University of Iowa power plant in Iowa City, Iowa. Previously, the South Quarry also received CCR from power plants at Iowa State University and the University of Northern Iowa. During this reporting period, the acceptance of CCR from the University of Iowa power plant was discontinued due to analytical results above regulatory limits. Acceptance of the material may resume if future analytical results are within compliance.

1.5 MONITORING PROGRAM

The reporting period for this AWQR is from January through December 2025 and includes the March and October 2025 sampling events. The field sampling data and laboratory analytical data sheets for the 2025 sampling events are included in **Appendices A and B**, respectively. The Summary of Groundwater Chemistry is included in **Appendix C**.

Table 2 summarizes the monitoring points and sampling conducted during this reporting period.

Table 2. 2025 AWQR Reporting Period Monitoring Summary

| Monitoring Wells | March 2025 | October 2025 |
|------------------|--------------------------------------|--------------------------------------|
| Reiter Farm (b) | Indicators, Inorganics, and Organics | Indicators, Inorganics, and Organics |
| Well #1 | Indicators, Inorganics, and Organics | Indicators, Inorganics, and Organics |
| Well #2 | Indicators, Inorganics, and Organics | Indicators, Inorganics, and Organics |
| Well #3 | Indicators, Inorganics, and Organics | Indicators, Inorganics, and Organics |
| Well #4 | Indicators, Inorganics, and Organics | Indicators, Inorganics, and Organics |

Table 3 shows the parameters that comprise the sampling list for the South Quarry as required by the permit.

Table 3. Permit Parameters

| Indicator Parameters | |
|---|------------------------|
| Chemical Oxygen Demand | Total Organic Halogens |
| Phenols | Ammonia Nitrogen |
| Formaldehyde | Total Dissolved Solids |
| Inorganic Parameters | |
| Aluminum | Lead |
| Antimony | Magnesium |
| Arsenic | Manganese |
| Barium | Mercury |
| Beryllium | Molybdenum |
| Boron | Nickel |
| Cadmium | Selenium |
| Chloride | Silver |
| Chromium | Sulfate |
| Cobalt | Thallium |
| Copper | Vanadium |
| Fluoride | Zinc |
| Iron | Total Suspended Solids |
| Organic Parameters Detected in Fill Materials - TCLP | |
| Benzene | 2-Methylphenol |
| Chloroform | 3/4-Methylphenol |
| 2-Butanone (MEK) | Pyridine |

The permit specifies the indicator and inorganic parameters to be analyzed during the semi-annual sampling events. Volatile organic compounds (VOCs) and/or semi-volatile organic compounds (SVOCs) detected above the laboratory method detection limit in the approved fill materials are to be analyzed during the semi-annual sampling events. The organic parameters for this reporting period are summarized in **Table 2**.

The groundwater monitoring statistical methods used for the South Quarry included outlier analysis, trend analysis (Mann-Kendall/Sen's Slope), and confidence interval or confidence band evaluation, as appropriate, to identify exceedances of groundwater protection standards (GWPSs) at statistically significant levels (SSLs). The results of the 2025 evaluation are included in **Appendix D, 2025 Statistical Report**, and discussed in Section 3.0.

1.6 FIELD PROCEDURES

BMC Aggregates, L.C. personnel performed the groundwater sampling on March 13 and October 15, 2025. Static water level measurements were obtained utilizing an electronic water level indicator. Samples were collected with bailers with purging of approximately one bailer volume before sampling. Temperature, pH, and conductivity measurements were collected in the field. Summaries of the field data from the March and October 2025 sampling events are included in **Appendix A**.



Data Saved: 2/2/2025 11:15 AM
 User: bmatson
 Path: C:\Users\harsokal\OneDrive - SCS Engineers\Desktop\GIS\MapDocs\BMC\2025_AUOR_0001\BMC_2025_AUOR_0001.jpg

Site Map

Legend

- ▲ Approximate Location of Groundwater Monitoring Well
- Approximate Property Boundary

BMC Aggregates
 South Quarry
 La Porte City, Iowa
 Project No: 27224342.00
 Drawing Date: January 2026

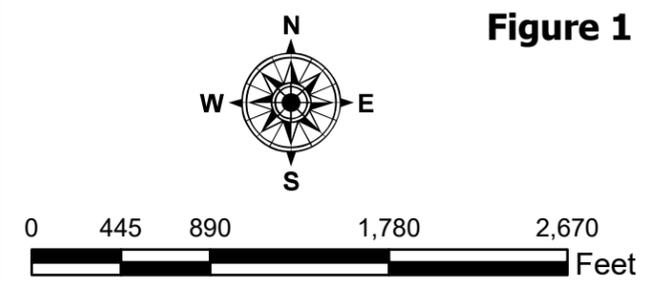


Figure 1

ENR, COTA, USGS, Esri, TerraStar, Garmin, TomTom, PVI, METI, NOAA, USGS, Esri, HERE, Garmin, IPC, USIA, NAD, Iowa State University GIS Facility

2.0 HYDROGEOLOGIC SITE SUMMARY

The *Groundwater Monitoring Plan*, dated August 2010, prepared by Robinson Engineering Company described the geology and hydrogeology of the South Quarry as follows.

2.1 GEOLOGY

The geology of the area is represented in the open pit area by the Coralville Formation [immediately beneath the overburden (topsoil)] as the former resource ledge of the quarry with the floor in the Little Cedar Formation. The floor interval, formerly known as the Rapid Member of the old Cedar Valley Formation (now part of the Little Cedar Formation), separates the Coralville Formation in the open pit area from the Solon Member of the now abandoned, water filled underground mine.

2.2 HYDROGEOLOGY

In terms of the hydrogeology, Miller Creek, which flows to the northeast and is a minor tributary of the Cedar River, is 1300' north of this beneficial fill and reclamation location. The Cedar River is 4 miles east northeast from this site and all surface waters move towards the east or northeast of the South Quarry. Groundwater movement tends to follow this trend moving to the east and slightly northeast of this site. The proposed placement of the monitoring wells reflects this groundwater and surface water trend.

3.0 DATA EVALUATION, SUMMARY, AND RECOMMENDATIONS

3.1 DATA EVALUATION

Statistical evaluation was conducted for the inorganic constituents numbered 1 - 25 in Appendix D of the BUD permit (Doc #104627). The results of the statistical evaluation for the groundwater analytical data collected during the March and October 2025 sampling events are located in **Appendix D**, 2025 Statistical Report, of this report. **Table 4** contains a summary of constituent detections by monitoring point for the reporting period. Following the table are discussions of the analytical data for the monitoring program.

Table 4. Constituent Detection Summary

| Constituent | Reiter Farm (b) | Well #1 | Well #2 | Well #3 | Well #4 |
|-------------|-----------------|---------|---------|---------|---------|
| Aluminum | 3 | 3 | ND | ND | 3 |
| Antimony | 10 | ND | ND | ND | ND |
| Arsenic | ND | 3,10 | ND | ND | 3,10 |
| Barium | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 |
| Beryllium | ND | ND | ND | ND | ND |
| Boron | ND | ND | ND | ND | ND |
| Cadmium | ND | ND | ND | ND | ND |
| Chloride | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 |
| Chromium | 3 | ND | ND | ND | ND |

| Constituent | Reiter Farm (b) | Well #1 | Well #2 | Well #3 | Well #4 |
|------------------|-----------------|---------|---------|---------|---------|
| Cobalt | ND | ND | ND | ND | ND |
| Copper | 3,10 | 3 | 3,10 | 3 | 3 |
| Fluoride | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 |
| Iron | 3 | 3,10 | 3,10 | ND | ND |
| Lead | 3,10 | 3 | ND | ND | ND |
| Magnesium | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 |
| Manganese | 3 | 3 | 3,10 | 3 | 3 |
| Mercury | ND | ND | ND | ND | ND |
| Molybdenum | 3,10 | ND | ND | 3,10 | 3,10 |
| Nickel | 10 | 10 | ND | 10 | 10 |
| Selenium | ND | ND | ND | ND | 10 |
| Silver | ND | ND | ND | ND | ND |
| Sulfate | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 |
| Thallium | ND | ND | ND | ND | ND |
| Vanadium | ND | ND | ND | ND | ND |
| Zinc | 3,10 | ND | ND | ND | ND |
| Chloroform | ND | ND | ND | ND | ND |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND |
| 2-Methylphenol | ND | ND | ND | ND | ND |
| 3/4-Methylphenol | ND | ND | ND | ND | ND |
| Benzene | ND | ND | ND | ND | ND |
| Pyridine | ND | ND | ND | ND | ND |

(b) denotes background monitoring well.

ND – Not Detected.

3 – March 2025 10 – October 2025

J flag concentrations, which are estimated concentrations greater than the method detection limit but below the laboratory reporting limit, were not considered detections for Table 3.

Table 4 shows that the majority of parameters were fairly consistently detected within individual monitoring wells - either detected during both sampling events or not detected during this reporting period. However, there were more single detections during the March 2025 sampling event compared to the October 2025 sampling event. No VOCs or SVOCs were detected during this reporting period.

3.2 SUMMARY OF ANALYTICAL DATA

The background Reiter Farm monitoring well is sampled for the calculation of site background concentrations but is not statistically evaluated. Mann-Kendall trend analysis and confidence intervals or confidence bands, as appropriate based on diagnostic analyses, were the selected statistical evaluations performed for the constituents numbered 1 - 25 in Appendix D of the BUD permit (Doc #104627). The indicator parameters listed in Appendix D of the permit are not statistically evaluated. Indicator parameter analytical data are included on the last page of **Appendix C**, Summary of Groundwater Chemistry.

VOCs and SVOCs have not been detected in the monitoring well network since 2021, which continued during this reporting period.

Groundwater protection standards and their sources for the inorganic parameters are included in **Table 5**. The GWPSs in **Table 5** were first proposed in correspondence dated May 4, 2020 (Doc #97649).

Table 5. Source of GWPS

| Constituent | GWPS (mg/L) | Source of GWPS |
|-------------|-------------|----------------|
| Aluminum | 0.2 | SMCL |
| Antimony | 0.006 | MCL |
| Arsenic | 0.01 | MCL |
| Barium | 2 | MCL |
| Beryllium | 0.004 | MCL |
| Boron | 6 | SWS |
| Cadmium | 0.005 | MCL |
| Chloride | 250 | SMCL |
| Chromium | 0.1 | MCL |
| Cobalt | 0.0021 | SWS |
| Copper | 1.3 | MCL |
| Fluoride | 2.0 | SMCL |
| Iron | 0.3 | SMCL |
| Lead | 0.015 | MCL |
| Magnesium | 26 | SS GWPS |
| Manganese | 0.05 | SMCL |
| Mercury | 0.002 | MCL |
| Molybdenum | 0.04 | SWS |
| Nickel | 0.1 | SWS |
| Selenium | 0.05 | MCL |
| Silver | 0.1 | SMCL |
| Sulfate | 250 | SMCL |
| Thallium | 0.002 | MCL |
| Vanadium | 0.035 | SWS |
| Zinc | 2 | SWS |

MCL – Maximum Contaminant Level

SMCL – Secondary Maximum Contaminant Level

SWS – Iowa Statewide Standard

SS GWPS – Site-Specific Groundwater Protection Standard

3.3 SUMMARY OF STATISTICS

Table 6 summarizes the monitoring points and SSLs measured during this reporting period.

Table 6. 2025 Statistical Summary Table

| Monitoring Well | 2025 SSL – Parameters |
|-----------------|-----------------------|
| Well #1 | Magnesium |
| Well #2 | Magnesium |
| Well #3 | Magnesium |
| Well #4 | None |

The SSLs measured during this reporting period are unchanged from recent years. Magnesium has no health-based regulatory standards. The GWPS for magnesium used in this report was based on the background concentration of the background Reiter Farm water supply well. The Reiter Farm water supply well differs from the groundwater monitoring wells in construction, use, and screened interval, which may contribute to differences in constituent concentrations.

The Geological Society of Iowa publication "Geology and Reclamation at the Waterloo South Quarry, Black Hawk County, Iowa (Guidebook 94, April 22, 2017) describes the surficial geology, Devonian stratigraphy and mineralogy of the quarry in addition to the beneficial fill/quarry reclamation project that is the basis for this water monitoring project. The publication illustrates that magnesium is prevalent in Iowa geology, including at the South Quarry.

Measured magnesium concentrations in the compliance monitoring wells have remained stable since 2017-2018 and are generally lower than those measured in the pre-2015 time period, indicating apparent stability in groundwater quality. The reclamation project previously accepted CCR from the Iowa State University and University of Northern Iowa power plants, but those sources have ceased in recent years, with the fill consisting of waste foundry sand from John Deere in Waterloo and CCR from the University of Iowa power plant. It is unclear what effect that change may have had or will have, if any, on measured concentrations.

Mann-Kendall trend analysis was performed at 99% confidence ($\alpha=0.01$) using the most recent eight samples. Sulfate concentrations measured in monitoring well MW-1 was the only statistically significant trend (increasing) identified in the evaluation. A summary of the Mann-Kendall results for the SSL constituent-monitoring point pairs is shown in Table 7.

Table 7. Trending for SSL Well/Constituent Pairs

| Monitoring Well | Constituent | Mann-Kendall Statistic | Trend |
|-----------------|-------------|------------------------|--|
| Well #1 | Magnesium | 11 | Increasing – Not Statistically Significant |
| Well #2 | Magnesium | 6 | Increasing – Not Statistically Significant |
| Well #3 | Magnesium | 1 | Increasing – Not Statistically Significant |

The magnesium concentration trends in Wells #1, #2, and #3 are increasing. A Mann-Kendall statistic of 21 would be considered a statistically significant increasing trend. A Mann-Kendall statistic closer to 0 than to 21 indicates that the concentrations are relatively stable. A Mann-Kendall/Sen's Slope trend test summary table, graphs, and time series plots are included in **Appendix D**, 2025 Statistical Report.

Although not necessarily statistically significant, Mann-Kendall statistics can provide an indication of general trending in the data. Trend indications for the compliance monitoring wells are shown in **Table 8**. The statistics used to develop the general trending differ from the Mann-Kendall statistics used in the diagnostics section of the statistical report in that a much lower trend threshold is applied for the general trending information ($\alpha=0.20$ versus $\alpha=0.01$). Trends classified as decreasing or increasing exhibited a statistically significant trend with 80% confidence using the most recent eight data points. Trends classified as stable did not exhibit a statistically significant trend with 80% confidence using the eight most recent data points. A summary of Mann-Kendall statistics by constituent in each monitoring point is included in **Appendix E**, Mann-Kendall Output ($\alpha=0.20$).

Table 8. Mann-Kendall Summary Table

| Trending in Monitoring Wells | | | | |
|------------------------------|-------------------|---------------|-------------------|---------------------------------|
| Monitoring Well | Decreasing Trends | Stable Trends | Increasing Trends | Number of Constituents Analyzed |
| Well #1 | 7.69% | 76.92% | 15.38% | 13 |
| Well #2 | 0.00% | 93.33% | 6.67% | 15 |
| Well #3 | 0.00% | 100.00% | 0.00% | 17 |
| Well #4 | 6.25% | 81.25% | 12.50% | 16 |
| Site-Wide | 3.28% | 88.52% | 8.20% | 61 |

Review of the Mann-Kendall statistics indicated that approximately 92% of the Mann-Kendall statistics following the 2025 statistical evaluation were considered stable or declining. The constituents with increasing trends are discussed in **Table 9**.

Table 9. Increasing Trends

| Monitoring Well | Constituent | Comments |
|-----------------|-------------|--|
| Well #1 | Chloride | The concentrations measured in 2025 were slightly elevated compared with recent samples, but lower than typical concentrations measured before 2016. |
| | Sulfate | Sulfate concentrations had recently been elevated, but the concentrations in Well #1 were the lowest observed in the compliance monitoring wells. |
| Well #2 | Fluoride | There was only a 0.4 mg/L difference in measured fluoride concentrations over the period of record dating back to 2019, and a 0.2 mg/L difference in the last seven samples. |

| Monitoring Well | Constituent | Comments |
|-----------------|-------------|--|
| Well #4 | Arsenic | The March 2025 concentration was elevated, but arsenic had only six quantified detections since 2016. |
| | Chloride | The 2025 concentrations were slightly elevated compared to recent measurements but remained within the historical range. |

3.4 QA/QC INFORMATION

The QA/QC protocols for the March and October 2025 sampling events included laboratory protocols provided by Microbac Laboratories, Inc.; documentation is included in **Appendix B**, Laboratory Analytical Data Sheets.

3.5 RECOMMENDATIONS

Review of the data indicated the beneficial use project is not having a significant adverse effect on the groundwater at the South Quarry as represented by groundwater samples collected from the monitoring wells associated with the South Quarry. Based on the groundwater sampling analytical results and the statistical evaluation performed on the data, the following is recommended:

- Continue sampling the Reiter Farm monitoring well and monitoring wells Well #1, Well #2, Well #3, and Well #4 for the permit parameters on a semi-annual schedule.

The recommended sampling schedule for the upcoming reporting period (January through December 2026) is summarized in **Table 10**.

Table 10. 2026 AWQR Reporting Period Sampling Schedule

| Monitoring Point | March 2026 | October 2026 |
|------------------|-------------------|-------------------|
| Reiter Farm | Permit Parameters | Permit Parameters |
| Well #1 | Permit Parameters | Permit Parameters |
| Well #2 | Permit Parameters | Permit Parameters |
| Well #3 | Permit Parameters | Permit Parameters |
| Well #4 | Permit Parameters | Permit Parameters |

See Table 2 for the list of current permit parameters. Required organic parameters will be determined by testing performed by the fill material generators.

4.0 GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from the samples collected at the indicated locations and from any other information discussed in this report. This report does not reflect any variation in subsurface stratigraphy, hydrogeology, or chemical concentrations that may occur between sampling locations or across the site. Actual subsurface conditions may vary and may not become evident without further exploration.

SCS has prepared this report for the exclusive use of our client for the specific application to the project discussed. No warranty is expressly stated or implied in this report with regard to the condition of the substrate and groundwater below the surface of the facility. SCS has relied upon information furnished by others as noted in the report, and SCS accepts no responsibility for any

deficiency, misstatements, or inaccuracy in this report as a result of misstatements, omissions, misrepresentations, fraudulent, or inaccurate information or data provided by others.

5.0 REFERENCES

1. Robinson Engineering Company. *Groundwater Monitoring Plan, South Waterloo Quarry, August 2010.*
2. Barker Lemar Engineering Consultants. *Groundwater Statistical Program, BMC Quarry CCR Beneficial Use Site, January 2011.*
3. Geological Society of Iowa. *Geology and Reclamation at the Waterloo South Quarry, Black Hawk County, Iowa. April 22, 2017.*
4. SCS Engineers, *2024 Annual Water Quality Report, BMC Waterloo South Quarry, Beneficial Use Site, February 2025 (Doc #112242).*

Appendix A
Field Sampling Information

Waterloo South Quarry Monitoring Well Reports

Beneficial Use Reclamation Project

March 13, 2025

| | Well #1 | Well #2 | Well #3 | Well #4 | Reiter Farm Well |
|----------------------|---------|---------|---------|---------|------------------|
| Water Level (feet) | 78.5 | 76.2 | 75.7 | 54.8 | Not measured |
| pH (S.U.) | 7.50 | 7.31 | 7.67 | 7.70 | 7.90 |
| Temperature (° F) | 50.5 | 49.0 | 49.2 | 45.0 | 44.7 |
| Conductivity (µS/cm) | 628 | 711 | 753 | 686 | 597 |

October 14, 2025

| | Well #1 | Well #2 | Well #3 | Well #4 | Reiter Farm Well |
|----------------------|---------|---------|---------|---------|------------------|
| Water Level (feet) | 80.2 | 78.8 | 89.1 | 56.3 | Not measured |
| pH (S.U.) | 7.46 | 7.50 | 7.46 | 7.36 | 7.40 |
| Temperature (° F) | 51.8 | 50.5 | 51.3 | 52.8 | 56.1 |
| Conductivity (µS/cm) | 649 | 730 | 607 | 650 | 712 |

Appendix B
Laboratory Analytical Data Sheets



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

Project Description

Miller Creek Area

For:

Sherman Lundy

BMC Aggregates L.C.

101 BMC Drive

Elk Run Heights, IA 50707

Heather Tisdale

Customer Relationship Specialist

Tuesday, April 1, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

BMC Aggregates L.C.

Project Name: Miller Creek Area

Sherman Lundy
101 BMC Drive
Elk Run Heights, IA 50707

Project / PO Number: Sherman Lundy
Received: 03/14/2025
Reported: 04/01/2025

Sample Summary Report

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| Well #1 | 1IC1029-01 | Aqueous | GRAB | | 03/13/25 08:30 | 03/14/25 12:05 |
| Well #2 | 1IC1029-02 | Aqueous | GRAB | | 03/13/25 09:30 | 03/14/25 12:05 |
| Well #3 | 1IC1029-03 | Aqueous | GRAB | | 03/13/25 10:00 | 03/14/25 12:05 |
| Well #4 | 1IC1029-04 | Aqueous | GRAB | | 03/13/25 11:00 | 03/14/25 12:05 |
| Well # Upgradient | 1IC1029-05 | Aqueous | GRAB | | 03/13/25 11:30 | 03/14/25 12:05 |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

Analytical Testing Parameters

| | |
|----------------------------------|---|
| Client Sample ID: Well #1 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 8:30 |
| Lab Sample ID: 1IC1029-01 | |

| Determination of Volatile Organic Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 5030B/EPA 624.1 | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 1.4 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Chloroform | <1.0 | 0.4 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Benzene | <1.0 | 0.3 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Surrogate: Dibromofluoromethane | 80.5 | Limit: 59-123 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 76.0 | Limit: 56-130 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 85-113 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |
| Surrogate: 4-Bromofluorobenzene | 93.8 | Limit: 82-112 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1601 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|-----|----|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| Pyridine | <10 | 10 | 10 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |

| Determination of Acid Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |
| Surrogate: 2-Fluorophenol | 82.0 | Limit: 16-140 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |
| Surrogate: Phenol-d6 | 87.0 | Limit: 13-147 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 101 | Limit: 20-158 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1942 | EPP |

| Determination of Carbonyl Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------------|--------|------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 8315 | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | 10.0 | ug/L | 1 | H | 03/14/25 1644 | 03/18/25 1018 | PDS |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|---------------|---------|
| Method: EPA 410.4, Rv. 2 (1993) | | | | | | | | | |
| COD, total | <54 | 37 | 54 | mg/L | 1 | | | 03/18/25 0908 | CES |

| | | | | | | | | | |
|--------------------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Method: EPA 420.1 | | | | | | | | | |
| Phenols, total | <0.035 | 0.024 | 0.035 | mg/L | 1 | | 03/24/25 0723 | 03/24/25 1433 | CES |

| | | | | | | | | | |
|------------------------------|-------|-------|-------|------|---|----------|---------------|---------------|-----|
| Method: EPA 9020B | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.029 | 0.006 | 0.010 | mg/L | 1 | TX1, TX2 | 03/26/25 1310 | 03/26/25 1323 | CSM |

Method: SM 2510 B-2011



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|---|
| Client Sample ID: Well #1 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 8:30 |
| Lab Sample ID: 1IC1029-01 | |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|----------|---------|
|--|--------|-----|----|-------|----|------|----------|----------|---------|

| | | | | | | | | | |
|-------------------------------|------|------|------|-------|----|--|---------------|---------------|-----|
| Conductivity | 628 | 1.8 | 2.0 | uS/cm | 1 | | 03/18/25 1514 | 03/19/25 1340 | BSS |
| Method: TIMBERLINE | | | | | | | | | |
| Nitrogen, Ammonia | 0.18 | 0.08 | 0.10 | mg/L | 1 | | 03/19/25 1358 | 03/19/25 1536 | SDF |
| Method: USGS I-1750-85 | | | | | | | | | |
| Total Dissolved Solids (TDS) | 399 | 4 | 5 | mg/L | 13 | | 03/18/25 0723 | 03/18/25 1450 | LAW |
| Method: USGS I-3765-85 | | | | | | | | | |
| Total Suspended Solids (TSS) | <2 | 2 | 2 | mg/L | 2 | | 03/19/25 1351 | 03/20/25 0741 | LAW |

| Determination of Inorganic Anions | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

| | | | | | | | | | |
|--------------------------|------|------|-----|------|---|--|---------------|---------------|-----|
| Method: 300.0 | | | | | | | | | |
| Fluoride | 0.9 | 0.02 | 0.1 | mg/L | 1 | | 03/25/25 0000 | 03/25/25 1850 | MID |
| Chloride | 12.2 | 0.3 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/25/25 1850 | MID |
| Method: EPA 9056A | | | | | | | | | |
| Sulfate | 75.2 | 0.4 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/25/25 1850 | MID |

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

| | | | | | | | | | |
|--|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Method: 200.7 | | | | | | | | | |
| Iron, total | 0.677 | 0.047 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0456 | JAR |
| Magnesium, total | 32.1 | 0.06 | 0.10 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0456 | JAR |
| Method: EPA 200.7, Rv. 4.4 (1994) | | | | | | | | | |
| Aluminum, total | 0.050 | 0.038 | 0.050 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0456 | JAR |
| Boron, total | <0.056 | 0.056 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0456 | JAR |
| Method: EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | |
| Antimony, total | 0.0010 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Arsenic, total | 0.0029 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Barium, total | 0.413 | 0.0002 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Cadmium, total | 0.00009 | 0.00008 | 0.0002 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Chromium, total | <0.0007 | 0.0007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Copper, total | 0.0028 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Lead, total | 0.0008 | 0.0005 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Manganese, total | 0.0317 | 0.0017 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Molybdenum, total | <0.0006 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Nickel, total | 0.0017 | 0.0007 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Selenium, total | <0.0011 | 0.0011 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|---|
| Client Sample ID: Well #1 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 8:30 |
| Lab Sample ID: 1IC1029-01 | |

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------------|---------|---------|-------|----|-----------|---------------|---------------|---------|
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Thallium, total | 0.0006 | 0.0004 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Vanadium, total | 0.0057 | 0.0043 | 0.0080 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Zinc, total | <0.0174 | 0.0174 | 0.0200 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1708 | KKJ |
| Method: SM 3112B | | | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | 1 | M1 | 03/20/25 1536 | 03/21/25 1528 | JAR |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

Client Sample ID: Well #2
 Sample Matrix: Aqueous
 Lab Sample ID: 11C1029-02

Collected By: Sherman Lundy
 Collection Date: 03/13/2025 9:30

| Determination of Volatile Organic Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|-------|-------|----|------|---------------|---------------|---------|
| Method: EPA 5030B/EPA 624.1 | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 1.4 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Chloroform | <1.0 | 0.4 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Benzene | <1.0 | 0.3 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Surrogate: Dibromofluoromethane | 80.4 | Limit: 59-123 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 79.0 | Limit: 56-130 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Surrogate: Toluene-d8 | 108 | Limit: 85-113 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Surrogate: 4-Bromofluorobenzene | 92.6 | Limit: 82-112 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1623 | CSM |
| Determination of Base/Neutral Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| Method: EPA 625.1 | | | | | | | | | |
| Pyridine | <10 | 10 | 10 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| Determination of Acid Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| Method: EPA 625.1 | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| Surrogate: 2-Fluorophenol | 79.5 | Limit: 16-140 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| Surrogate: Phenol-d6 | 81.5 | Limit: 13-147 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 98.5 | Limit: 20-158 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2006 | EPP |
| Determination of Carbonyl Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| Method: EPA 8315 | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | 10.0 | ug/L | 1 | H | 03/14/25 1644 | 03/18/25 1038 | PDS |
| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
| Method: EPA 410.4, Rv. 2 (1993) | | | | | | | | | |
| COD, total | <54 | 37 | 54 | mg/L | 1 | | | 03/18/25 0908 | CES |
| Method: EPA 420.1 | | | | | | | | | |
| Phenols, total | <0.035 | 0.024 | 0.035 | mg/L | 1 | | 03/24/25 0723 | 03/24/25 1433 | CES |
| Method: EPA 9020B | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.012 | 0.006 | 0.010 | mg/L | 1 | TX1 | 03/26/25 1310 | 03/26/25 1323 | CSM |
| Method: SM 2510 B-2011 | | | | | | | | | |
| Conductivity | 711 | 1.8 | 2.0 | uS/cm | 1 | | 03/18/25 1514 | 03/19/25 1340 | BSS |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|---|
| Client Sample ID: Well #2 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 9:30 |
| Lab Sample ID: 1IC1029-02 | |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|----------|---------|
|--|--------|-----|----|-------|----|------|----------|----------|---------|

Method: TIMBERLINE

| | | | | | | | | | |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|
| Nitrogen, Ammonia | <0.10 | 0.08 | 0.10 | mg/L | 1 | | 03/19/25 1358 | 03/19/25 1537 | SDF |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|

Method: USGS I-1750-85

| | | | | | | | | | |
|------------------------------|------------|---|---|------|----|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 505 | 4 | 5 | mg/L | 13 | | 03/18/25 0723 | 03/18/25 1450 | LAW |
|------------------------------|------------|---|---|------|----|--|---------------|---------------|-----|

Method: USGS I-3765-85

| | | | | | | | | | |
|------------------------------|----|---|---|------|---|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | <4 | 4 | 4 | mg/L | 4 | | 03/19/25 1357 | 03/20/25 0914 | MSP |
|------------------------------|----|---|---|------|---|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 300.0

| | | | | | | | | | |
|----------|------------|------|-----|------|---|--|---------------|---------------|-----|
| Fluoride | 0.8 | 0.02 | 0.1 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0035 | MID |
|----------|------------|------|-----|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------|-------------|-----|-----|------|---|--|---------------|---------------|-----|
| Chloride | 13.4 | 0.3 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0035 | MID |
|----------|-------------|-----|-----|------|---|--|---------------|---------------|-----|

Method: EPA 9056A

| | | | | | | | | | |
|---------|------------|-----|-----|------|---|--|---------------|---------------|-----|
| Sulfate | 119 | 1.8 | 5.0 | mg/L | 5 | | 03/26/25 0000 | 03/26/25 1208 | MID |
|---------|------------|-----|-----|------|---|--|---------------|---------------|-----|

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 200.7

| | | | | | | | | | |
|-------------|--------------|-------|-------|------|---|--|---------------|---------------|-----|
| Iron, total | 0.914 | 0.047 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0502 | JAR |
|-------------|--------------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|-------------|------|------|------|---|--|---------------|---------------|-----|
| Magnesium, total | 37.2 | 0.06 | 0.10 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0502 | JAR |
|------------------|-------------|------|------|------|---|--|---------------|---------------|-----|

Method: EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | | |
|-----------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Aluminum, total | <0.050 | 0.038 | 0.050 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0502 | JAR |
|-----------------|--------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Boron, total | <0.056 | 0.056 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0502 | JAR |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|

Method: EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Antimony, total | <0.0008 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|
| Arsenic, total | 0.0009 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|----------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|
| Barium, total | 0.0906 | 0.0002 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Cadmium, total | <0.00008 | 0.00008 | 0.0002 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Chromium, total | <0.0007 | 0.0007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|
| Copper, total | 0.0020 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Lead, total | <0.0005 | 0.0005 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|-------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|
| Manganese, total | 0.0369 | 0.0017 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|------------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Molybdenum, total | <0.0006 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|-------------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|
| Nickel, total | 0.0007 | 0.0007 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|---------------|---------------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Selenium, total | <0.0011 | 0.0011 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|---|
| Client Sample ID: Well #2 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 9:30 |
| Lab Sample ID: 1IC1029-02 | |

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|----------|---------|---------|-------|----|------|---------------|---------------|---------|
| Thallium, total | <0.0004 | 0.0004 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
| Vanadium, total | <0.0043 | 0.0043 | 0.0080 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
| Zinc, total | <0.0174 | 0.0174 | 0.0200 | mg/L | 4 | | 03/17/25 1407 | 03/25/25 1949 | RVV |
| Method: SM 3112B | | | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | 1 | | 03/20/25 1536 | 03/21/25 1535 | JAR |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #3 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 10:00 |
| Lab Sample ID: 1IC1029-03 | |

| Determination of Volatile Organic Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 5030B/EPA 624.1 | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 1.4 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Chloroform | <1.0 | 0.4 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Benzene | <1.0 | 0.3 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Surrogate: Dibromofluoromethane | 83.8 | Limit: 59-123 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 79.2 | Limit: 56-130 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 85-113 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |
| Surrogate: 4-Bromofluorobenzene | 95.3 | Limit: 82-112 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1645 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|-----|----|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| Pyridine | <10 | 10 | 10 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |

| Determination of Acid Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |
| Surrogate: 2-Fluorophenol | 76.9 | Limit: 16-140 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |
| Surrogate: Phenol-d6 | 80.0 | Limit: 13-147 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 105 | Limit: 20-158 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2030 | EPP |

| Determination of Carbonyl Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------------|--------|------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 8315 | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | 10.0 | ug/L | 1 | H | 03/14/25 1644 | 03/18/25 1059 | PDS |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-------|-------|-------|----|------|---------------|---------------|---------|
| Method: EPA 410.4, Rv. 2 (1993) | | | | | | | | | |
| COD, total | <54 | 37 | 54 | mg/L | 1 | | | 03/18/25 0908 | CES |
| Method: EPA 420.1 | | | | | | | | | |
| Phenols, total | <0.035 | 0.024 | 0.035 | mg/L | 1 | | 03/26/25 0717 | 03/26/25 1600 | CES |
| Method: EPA 9020B | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.066 | 0.006 | 0.010 | mg/L | 1 | TX1 | 03/26/25 1310 | 03/26/25 1323 | CSM |
| Method: SM 2510 B-2011 | | | | | | | | | |
| Conductivity | 753 | 1.8 | 2.0 | uS/cm | 1 | | 03/18/25 1514 | 03/19/25 1340 | BSS |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #3 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 10:00 |
| Lab Sample ID: 11C1029-03 | |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|----------|---------|
|--|--------|-----|----|-------|----|------|----------|----------|---------|

Method: TIMBERLINE

| | | | | | | | | | |
|-------------------|------|------|------|------|---|--|---------------|---------------|-----|
| Nitrogen, Ammonia | 0.10 | 0.08 | 0.10 | mg/L | 1 | | 03/19/25 1358 | 03/19/25 1539 | SDF |
|-------------------|------|------|------|------|---|--|---------------|---------------|-----|

Method: USGS I-1750-85

| | | | | | | | | | |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 483 | 4 | 5 | mg/L | 13 | | 03/18/25 0723 | 03/18/25 1450 | LAW |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|

Method: USGS I-3765-85

| | | | | | | | | | |
|------------------------------|---|---|---|------|---|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | 4 | 4 | 4 | mg/L | 4 | | 03/19/25 1357 | 03/20/25 0914 | MSP |
|------------------------------|---|---|---|------|---|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 300.0

| | | | | | | | | | |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|
| Fluoride | 0.6 | 0.02 | 0.1 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0053 | MID |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|
| Chloride | 31.6 | 0.3 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0053 | MID |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|

Method: EPA 9056A

| | | | | | | | | | |
|---------|-----|-----|-----|------|---|--|---------------|---------------|-----|
| Sulfate | 113 | 1.8 | 5.0 | mg/L | 5 | | 03/26/25 0000 | 03/26/25 1226 | MID |
|---------|-----|-----|-----|------|---|--|---------------|---------------|-----|

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 200.7

| | | | | | | | | | |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Iron, total | 0.084 | 0.047 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0508 | JAR |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|
| Magnesium, total | 27.1 | 0.06 | 0.10 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0508 | JAR |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|

Method: EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | | |
|-----------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Aluminum, total | <0.050 | 0.038 | 0.050 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0508 | JAR |
|-----------------|--------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|--------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Boron, total | 0.057 | 0.056 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0508 | JAR |
|--------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

Method: EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Antimony, total | <0.0008 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Arsenic, total | 0.0016 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|-------|--------|--------|------|---|--|---------------|---------------|-----|
| Barium, total | 0.114 | 0.0002 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|---------------|-------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Cadmium, total | <0.00008 | 0.00008 | 0.0002 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Chromium, total | <0.0007 | 0.0007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Copper, total | 0.0043 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Lead, total | 0.0006 | 0.0005 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|-------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Manganese, total | 0.0087 | 0.0017 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Molybdenum, total | 0.0120 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Nickel, total | 0.0023 | 0.0007 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Selenium, total | 0.0030 | 0.0011 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #3 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 10:00 |
| Lab Sample ID: 1IC1029-03 | |

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------------|---------|---------|-------|----|------|---------------|---------------|---------|
| Thallium, total | <0.0004 | 0.0004 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
| Vanadium, total | 0.0050 | 0.0043 | 0.0080 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
| Zinc, total | <0.0174 | 0.0174 | 0.0200 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1721 | KKJ |
| Method: SM 3112B | | | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | 1 | | 03/20/25 1536 | 03/21/25 1538 | JAR |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #4 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 11:00 |
| Lab Sample ID: 1IC1029-04 | |

| Determination of Volatile Organic Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 5030B/EPA 624.1 | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 1.4 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Chloroform | <1.0 | 0.4 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Benzene | <1.0 | 0.3 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Surrogate: Dibromofluoromethane | 78.4 | Limit: 59-123 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 73.3 | Limit: 56-130 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Surrogate: Toluene-d8 | 108 | Limit: 85-113 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |
| Surrogate: 4-Bromofluorobenzene | 94.9 | Limit: 82-112 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1708 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|-----|----|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| Pyridine | <10 | 10 | 10 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |

| Determination of Acid Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |
| Surrogate: 2-Fluorophenol | 80.2 | Limit: 16-140 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |
| Surrogate: Phenol-d6 | 82.4 | Limit: 13-147 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 98.7 | Limit: 20-158 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 2055 | EPP |

| Determination of Carbonyl Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------------|--------|------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 8315 | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | 10.0 | ug/L | 1 | H | 03/14/25 1644 | 03/18/25 1119 | PDS |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-------|-------|-------|----|------|---------------|---------------|---------|
| Method: EPA 410.4, Rv. 2 (1993) | | | | | | | | | |
| COD, total | <54 | 37 | 54 | mg/L | 1 | | | 03/18/25 0908 | CES |
| Method: EPA 420.1 | | | | | | | | | |
| Phenols, total | <0.035 | 0.024 | 0.035 | mg/L | 1 | | 03/26/25 0717 | 03/26/25 1600 | CES |
| Method: EPA 9020B | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.019 | 0.006 | 0.010 | mg/L | 1 | TX1 | 03/26/25 1310 | 03/26/25 1323 | CSM |

| Method: SM 2510 B-2011 | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|------------------------|--------|-----|-----|-------|----|------|---------------|---------------|---------|
| Conductivity | 686 | 1.8 | 2.0 | uS/cm | 1 | | 03/18/25 1514 | 03/19/25 1340 | BSS |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #4 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 11:00 |
| Lab Sample ID: 1IC1029-04 | |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|----------|---------|
|--|--------|-----|----|-------|----|------|----------|----------|---------|

Method: TIMBERLINE

| | | | | | | | | | |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|
| Nitrogen, Ammonia | <0.10 | 0.08 | 0.10 | mg/L | 1 | | 03/19/25 1358 | 03/19/25 1540 | SDF |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|

Method: USGS I-1750-85

| | | | | | | | | | |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 420 | 4 | 5 | mg/L | 13 | | 03/18/25 0723 | 03/18/25 1450 | LAW |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|

Method: USGS I-3765-85

| | | | | | | | | | |
|------------------------------|----|---|---|------|---|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | <4 | 4 | 4 | mg/L | 4 | | 03/19/25 1357 | 03/20/25 0914 | MSP |
|------------------------------|----|---|---|------|---|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 300.0

| | | | | | | | | | |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|
| Fluoride | 0.3 | 0.02 | 0.1 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0112 | MID |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|
| Chloride | 24.4 | 0.3 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0112 | MID |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|

Method: EPA 9056A

| | | | | | | | | | |
|---------|------|-----|-----|------|---|--|---------------|---------------|-----|
| Sulfate | 87.2 | 0.4 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0112 | MID |
|---------|------|-----|-----|------|---|--|---------------|---------------|-----|

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 200.7

| | | | | | | | | | |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Iron, total | 0.056 | 0.047 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0514 | JAR |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|
| Magnesium, total | 20.6 | 0.06 | 0.10 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0514 | JAR |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|

Method: EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | | |
|-----------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Aluminum, total | 0.094 | 0.038 | 0.050 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0514 | JAR |
|-----------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Boron, total | <0.056 | 0.056 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0514 | JAR |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|

Method: EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Antimony, total | <0.0008 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Arsenic, total | 0.0117 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Barium, total | 0.0734 | 0.0002 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Cadmium, total | <0.00008 | 0.00008 | 0.0002 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|----------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Chromium, total | <0.0007 | 0.0007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Copper, total | 0.0038 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Lead, total | <0.0005 | 0.0005 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|-------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Manganese, total | 0.0065 | 0.0017 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Molybdenum, total | 0.0040 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Nickel, total | 0.0026 | 0.0007 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Selenium, total | 0.0027 | 0.0011 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | |
|----------------------------------|--|
| Client Sample ID: Well #4 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 11:00 |
| Lab Sample ID: 1IC1029-04 | |

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|---------------|---------|---------|-------|----|------|---------------|---------------|---------|
| Thallium, total | <0.0004 | 0.0004 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
| Vanadium, total | 0.0056 | 0.0043 | 0.0080 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
| Zinc, total | <0.0174 | 0.0174 | 0.0200 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1727 | KKJ |
| Method: SM 3112B | | | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | 1 | | 03/20/25 1536 | 03/21/25 1544 | JAR |



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CERTIFICATE OF ANALYSIS

1IC1029

| | |
|--|--|
| Client Sample ID: Well # Upgradient | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 11:30 |
| Lab Sample ID: 1IC1029-05 | |

| Determination of Volatile Organic Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 5030B/EPA 624.1 | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 1.4 | 10.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Chloroform | <1.0 | 0.4 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Benzene | <1.0 | 0.3 | 1.0 | ug/L | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Surrogate: Dibromofluoromethane | 84.1 | Limit: 59-123 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Surrogate: 1,2-Dichloroethane-d4 | 79.3 | Limit: 56-130 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Surrogate: Toluene-d8 | 107 | Limit: 85-113 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |
| Surrogate: 4-Bromofluorobenzene | 92.6 | Limit: 82-112 | | % Rec | 1 | | 03/24/25 0000 | 03/24/25 1730 | CSM |

| Determination of Base/Neutral Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|-----|----|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| Pyridine | <10 | 10 | 10 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |

| Determination of Acid Extractable Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 625.1 | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 2.6 | 10.0 | ug/L | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |
| Surrogate: 2-Fluorophenol | 79.2 | Limit: 16-140 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |
| Surrogate: Phenol-d6 | 79.4 | Limit: 13-147 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 103 | Limit: 20-158 | | % Rec | 1 | | 03/17/25 1538 | 03/20/25 1739 | EPP |

| Determination of Carbonyl Compounds | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------------|--------|------|------|-------|----|------|---------------|---------------|---------|
| Method: EPA 8315 | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | 10.0 | ug/L | 1 | H | 03/14/25 1644 | 03/18/25 1140 | PDS |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-------|-------|-------|----|------|---------------|---------------|---------|
| Method: EPA 410.4, Rv. 2 (1993) | | | | | | | | | |
| COD, total | <54 | 37 | 54 | mg/L | 1 | | | 03/18/25 0908 | CES |
| Method: EPA 420.1 | | | | | | | | | |
| Phenols, total | <0.035 | 0.024 | 0.035 | mg/L | 1 | | 03/26/25 0717 | 03/26/25 1600 | CES |
| Method: EPA 9020B | | | | | | | | | |
| Total Organic Halogens (TOX) | <0.010 | 0.006 | 0.010 | mg/L | 1 | TX1 | 03/26/25 1310 | 03/26/25 1323 | CSM |
| Method: SM 2510 B-2011 | | | | | | | | | |
| Conductivity | 597 | 1.8 | 2.0 | uS/cm | 1 | | 03/18/25 1514 | 03/19/25 1340 | BSS |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

| | |
|--|--|
| Client Sample ID: Well # Upgradient | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 03/13/2025 11:30 |
| Lab Sample ID: 11C1029-05 | |

| Determination of Conventional Chemistry Parameters | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|--|--------|-----|----|-------|----|------|----------|----------|---------|
|--|--------|-----|----|-------|----|------|----------|----------|---------|

Method: TIMBERLINE

| | | | | | | | | | |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|
| Nitrogen, Ammonia | <0.10 | 0.08 | 0.10 | mg/L | 1 | | 03/19/25 1358 | 03/19/25 1542 | SDF |
|-------------------|-------|------|------|------|---|--|---------------|---------------|-----|

Method: USGS I-1750-85

| | | | | | | | | | |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 337 | 4 | 5 | mg/L | 13 | | 03/18/25 0723 | 03/18/25 1450 | LAW |
|------------------------------|-----|---|---|------|----|--|---------------|---------------|-----|

Method: USGS I-3765-85

| | | | | | | | | | |
|------------------------------|---|---|---|------|---|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | 8 | 6 | 7 | mg/L | 7 | | 03/19/25 1357 | 03/20/25 0914 | MSP |
|------------------------------|---|---|---|------|---|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 300.0

| | | | | | | | | | |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|
| Fluoride | 0.4 | 0.02 | 0.1 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0130 | MID |
|----------|-----|------|-----|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|
| Chloride | 30.1 | 0.3 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0130 | MID |
|----------|------|-----|-----|------|---|--|---------------|---------------|-----|

Method: EPA 9056A

| | | | | | | | | | |
|---------|------|-----|-----|------|---|--|---------------|---------------|-----|
| Sulfate | 84.1 | 0.4 | 1.0 | mg/L | 1 | | 03/25/25 0000 | 03/26/25 0130 | MID |
|---------|------|-----|-----|------|---|--|---------------|---------------|-----|

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst |
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|
|-------------------------------|--------|-----|----|-------|----|------|----------|----------|---------|

Method: 200.7

| | | | | | | | | | |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Iron, total | 0.920 | 0.047 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0520 | JAR |
|-------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|
| Magnesium, total | 21.3 | 0.06 | 0.10 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0520 | JAR |
|------------------|------|------|------|------|---|--|---------------|---------------|-----|

Method: EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | | |
|-----------------|-------|-------|-------|------|---|--|---------------|---------------|-----|
| Aluminum, total | 0.453 | 0.038 | 0.050 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0520 | JAR |
|-----------------|-------|-------|-------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|
| Boron, total | <0.056 | 0.056 | 0.100 | mg/L | 1 | | 03/19/25 0723 | 03/20/25 0520 | JAR |
|--------------|--------|-------|-------|------|---|--|---------------|---------------|-----|

Method: EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | | |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Antimony, total | <0.0008 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|-----------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Arsenic, total | 0.0011 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|-------|--------|--------|------|---|--|---------------|---------------|-----|
| Barium, total | 0.104 | 0.0002 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|---------------|-------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|------------------|----------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|----------------|---------|---------|--------|------|---|--|---------------|---------------|-----|
| Cadmium, total | 0.00008 | 0.00008 | 0.0002 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|----------------|---------|---------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Chromium, total | 0.0082 | 0.0007 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Copper, total | 0.0137 | 0.0008 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Lead, total | 0.0186 | 0.0005 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|-------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Manganese, total | 0.0108 | 0.0017 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Molybdenum, total | 0.0031 | 0.0006 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|-------------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Nickel, total | 0.0017 | 0.0007 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|---------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|
| Selenium, total | 0.0031 | 0.0011 | 0.0040 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|-----------------|--------|--------|--------|------|---|--|---------------|---------------|-----|

| | | | | | | | | | |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ |
|---------------|---------|--------|--------|------|---|--|---------------|---------------|-----|



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

Client Sample ID: Well # Upgradient

Sample Matrix: Aqueous

Lab Sample ID: 1IC1029-05

Collected By: Sherman Lundy

Collection Date: 03/13/2025 11:30

| Determination of Total Metals | Result | MDL | RL | Units | DF | Note | Prepared | Analyzed | Analyst | |
|-------------------------------|---------------|---------|---------|-------|----|------|---------------|---------------|---------|--|
| Thallium, total | <0.0004 | 0.0004 | 0.0008 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ | |
| Vanadium, total | 0.0061 | 0.0043 | 0.0080 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ | |
| Zinc, total | 0.105 | 0.0174 | 0.0200 | mg/L | 4 | | 03/17/25 1407 | 03/19/25 1733 | KKJ | |
| Method: SM 3112B | | | | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | 1 | | 03/20/25 1536 | 03/21/25 1547 | JAR | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

Batch Log Summary

| Method | Batch | Laboratory ID | Client / Source ID |
|---------------------------|---------|---------------|--------------------|
| EPA 8315 | 1IC0768 | 1IC0768-BS1 | |
| | | 1IC0768-BLK1 | |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC0768-MS1 | 1IC1029-01 |
| | | 1IC0768-MSD1 | 1IC1029-01 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 200.8, Rv. 5.4 (1994) | 1IC0785 | 1IC0785-BLK1 | |
| | | 1IC0785-BS1 | |
| | | 1IC0785-MS1 | 1IC0920-02 |
| | | 1IC0785-MSD1 | 1IC0920-02 |
| | | 1IC0785-PS1 | 1IC0920-02 |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |
| 1IC1029-02RE1 | Well #2 | | |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 625.1 | 1IC0804 | 1IC0804-BLK1 | |
| | | 1IC0804-BLK1 | |
| | | 1IC0804-BS1 | |
| | | 1IC0804-BS1 | |
| | | 1IC0804-BSD1 | |
| | | 1IC0804-BSD1 | |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| 1IC1029-04 | Well #4 | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| USGS I-1750-85 | 1IC0813 | 1IC1029-04 | Well #4 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC0813-BS1 | |
| | | 1IC0813-BLK1 | |
| | | 1IC0813-DUP1 | 1IC0959-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|-------------------------|---------|---------------|--------------------|
| EPA 410.4, Rv. 2 (1993) | 1IC0826 | 1IC1029-04 | Well #4 |
| | | 1IC0826-BLK1 | |
| | | 1IC0826-MS1 | 1IC1029-01 |
| | | 1IC0826-MSD1 | 1IC1029-01 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1029-01 | Well #1 |
| | | 1IC0826-BS1 | |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-02 | Well #2 |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| SM 2510 B-2011 | 1IC0883 | 1IC1029-04 | Well #4 |
| | | 1IC0883-DUP1 | 1IC1029-01 |
| | | 1IC0883-SRM1 | |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC0883-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|------------------------------------|---------|---------------|--------------------|
| EPA 200.7, Rv. 4.4 (1994) 200.7 | 1IC0913 | 1IC0913-BLK1 | |
| | | 1IC0913-BLK1 | |
| | | 1IC0913-BLK1 | |
| | | 1IC0913-BS1 | |
| | | 1IC0913-BS1 | |
| EPA 200.7, Rv. 4.4 (1994) 200.7 | 1IC0913 | 1IC0913-BS1 | |
| | | 1IC0913-MS1 | 1IC0880-01 |
| EPA 200.7, Rv. 4.4 (1994) 200.7 | 1IC0913 | 1IC0913-MS1 | 1IC0880-01 |
| | | 1IC0913-MS1 | 1IC0880-01 |
| EPA 200.7, Rv. 4.4 (1994) 200.7 | 1IC0913 | 1IC0913-MSD1 | 1IC0880-01 |
| | | 1IC0913-MSD1 | 1IC0880-01 |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

| | | | |
|---------------------------|---------|--------------|-------------------|
| 200.7 | 11C0913 | 11C0913-MSD1 | 11C0880-01 |
| | | 11C0913-PS1 | 11C0880-01 |
| EPA 200.7, Rv. 4.4 (1994) | | 11C0913-PS1 | 11C0880-01 |
| 200.7 | | 11C0913-PS1 | 11C0880-01 |
| EPA 200.7, Rv. 4.4 (1994) | | 11C1029-01 | Well #1 |
| 200.7 | | 11C1029-01 | Well #1 |
| | | 11C1029-01 | Well #1 |
| | | 11C1029-02 | Well #2 |
| | | 11C1029-02 | Well #2 |
| EPA 200.7, Rv. 4.4 (1994) | | 11C1029-02 | Well #2 |
| | | 11C1029-03 | Well #3 |
| 200.7 | | 11C1029-03 | Well #3 |
| | | 11C1029-03 | Well #3 |
| | | 11C1029-04 | Well #4 |
| | | 11C1029-04 | Well #4 |
| EPA 200.7, Rv. 4.4 (1994) | | 11C1029-04 | Well #4 |
| 200.7 | | 11C1029-05 | Well # Upgradient |
| EPA 200.7, Rv. 4.4 (1994) | | 11C1029-05 | Well # Upgradient |
| 200.7 | | 11C1029-05 | Well # Upgradient |
| EPA 200.7, Rv. 4.4 (1994) | | 11C0913-BS1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| USGS I-3765-85 | 11C0959 | 11C0959-BLK1 | |
| | | 11C0959-DUP1 | 11C1014-01 |
| | | 11C1029-01 | Well #1 |
| | | 11C0959-BS1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| USGS I-3765-85 | 11C0960 | 11C1029-04 | Well #4 |
| | | 11C0960-BLK1 | |
| | | 11C0960-DUP1 | 11C1010-01 |
| | | 11C1029-05 | Well # Upgradient |
| | | 11C0960-BS1 | |
| | | 11C1029-03 | Well #3 |
| | | 11C1029-02 | Well #2 |

| Method | Batch | Laboratory ID | Client / Source ID |
|------------|---------|---------------|--------------------|
| TIMBERLINE | 11C0961 | 11C0961-BLK1 | |
| | | 11C0961-BS1 | |
| | | 11C0961-MS1 | 11C0988-01 |
| | | 11C0961-MSD1 | 11C0988-01 |
| | | 11C1029-01 | Well #1 |
| | | 11C1029-02 | Well #2 |
| | | 11C1029-03 | Well #3 |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | | | |
|------------|---------|------------|-------------------|
| TIMBERLINE | 1IC0961 | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------|---------|---------------|--------------------|
| SM 3112B | 1IC1060 | 1IC1060-BLK1 | |
| | | 1IC1060-BS1 | |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1060-MS1 | 1IC1029-01 |
| | | 1IC1060-MSD1 | 1IC1029-01 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 420.1 | 1IC1134 | 1IC1134-MSD1 | 1IC1313-03 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1134-BS1 | |
| | | 1IC1134-MS1 | 1IC1313-03 |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1134-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 624.1 | 1IC1198 | 1IC1198-BS1 | |
| | | 1IC1198-BSD1 | |
| | | 1IC1198-BLK1 | |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1198-MS1 | 1IC1029-01 |
| | | 1IC1198-MSD1 | 1IC1029-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 420.1 | 1IC1290 | 1IC1290-MS1 | 1IC1487-03 |
| | | 1IC1029-04 | Well #4 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1290-BS1 | |
| | | 1IC1290-MSD1 | 1IC1487-03 |
| | | 1IC1290-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|--------|-------|---------------|--------------------|
|--------|-------|---------------|--------------------|



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| | | | |
|-----------|---------|--------------|-------------------|
| EPA 9056A | 1IC1306 | 1IC1306-MRL1 | |
| 300.0 | | 1IC1306-MRL1 | |
| | | 1IC1306-BS1 | |
| EPA 9056A | | 1IC1306-BS1 | |
| | | 1IC1306-BSD1 | |
| 300.0 | | 1IC1306-BSD1 | |
| EPA 9056A | | 1IC1306-MS1 | 1IC0828-01 |
| 300.0 | | 1IC1306-MS1 | 1IC0828-01 |
| | | 1IC1306-MSD1 | 1IC0828-01 |
| EPA 9056A | | 1IC1306-MSD1 | 1IC0828-01 |
| 300.0 | | 1IC1029-01 | Well #1 |
| EPA 9056A | | 1IC1029-01 | Well #1 |
| | | 1IC1306-BLK3 | |
| 300.0 | | 1IC1306-BLK3 | |
| | | 1IC1306-BS2 | |
| EPA 9056A | | 1IC1306-BS2 | |
| 300.0 | | 1IC1306-BSD2 | |
| EPA 9056A | | 1IC1306-BSD2 | |
| | | 1IC1306-MS2 | 1IC1475-03 |
| 300.0 | | 1IC1306-MS2 | 1IC1475-03 |
| | | 1IC1306-MSD2 | 1IC1475-03 |
| EPA 9056A | | 1IC1306-MSD2 | 1IC1475-03 |
| 300.0 | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| EPA 9056A | | 1IC1029-04 | Well #4 |
| 300.0 | | 1IC1029-04 | Well #4 |
| | | 1IC1029-05 | Well # Upgradient |
| EPA 9056A | | 1IC1029-05 | Well # Upgradient |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 9020B | 1IC1318 | 1IC1318-BS1 | |
| | | 1IC1318-BLK1 | |
| | | 1IC1318-BSD1 | |
| | | 1IC1318-MS1 | 1IC1029-04 |
| | | 1IC1318-MSD1 | 1IC1029-04 |
| | | 1IC1029-05 | Well # Upgradient |
| | | 1IC1029-01 | Well #1 |
| | | 1IC1029-02 | Well #2 |
| | | 1IC1029-03 | Well #3 |
| | | 1IC1029-04 | Well #4 |
| Method | Batch | Laboratory ID | Client / Source ID |
| EPA 9056A | 1IC1339 | 1IC1339-BLK1 | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

EPA 9056A

1IC1339

1IC1339-MRL1

1IC1339-BS1

1IC1339-BSD1

1IC1029-02

Well #2

1IC1029-03

Well #3

1IC1339-MS1

1IC1044-01

1IC1339-MSD1

1IC1044-01

1IC1339-BLK2

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 1IC1198 - EPA 5030B - EPA 624.1 | | | | | | | | | | |
| Blank (1IC1198-BLK1) | | | | | | | | | | |
| Prepared: 03/24/25 00:00 Analyzed: 03/24/25 13:31 | | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 42.0 | | ug/L | 50.2 | | 83.7 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 39.5 | | ug/L | 50.1 | | 78.9 | 56-130 | | | |
| Surrogate: Toluene-d8 | 52.9 | | ug/L | 50.4 | | 105 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.3 | | ug/L | 50.1 | | 96.3 | 82-112 | | | |
| LCS (1IC1198-BS1) | | | | | | | | | | |
| Prepared: 03/24/25 00:00 Analyzed: 03/24/25 12:24 | | | | | | | | | | |
| 2-Butanone (MEK) | 115.4 | 10.0 | ug/L | 100 | | 115 | 44-134 | | | |
| Chloroform | 54.64 | 1.0 | ug/L | 50.1 | | 109 | 70-135 | | | |
| Benzene | 50.99 | 1.0 | ug/L | 50.4 | | 101 | 65-135 | | | |
| Surrogate: Dibromofluoromethane | 51.9 | | ug/L | 50.2 | | 103 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.2 | | ug/L | 50.1 | | 108 | 56-130 | | | |
| Surrogate: Toluene-d8 | 50.2 | | ug/L | 50.4 | | 99.7 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 51.2 | | ug/L | 50.1 | | 102 | 82-112 | | | |
| LCS Dup (1IC1198-BSD1) | | | | | | | | | | |
| Prepared: 03/24/25 00:00 Analyzed: 03/24/25 12:46 | | | | | | | | | | |
| 2-Butanone (MEK) | 106.3 | 10.0 | ug/L | 100 | | 106 | 44-134 | 8.23 | 30 | |
| Chloroform | 52.65 | 1.0 | ug/L | 50.1 | | 105 | 70-135 | 3.71 | 17 | |
| Benzene | 47.14 | 1.0 | ug/L | 50.4 | | 93.5 | 65-135 | 7.85 | 17 | |
| Surrogate: Dibromofluoromethane | 52.9 | | ug/L | 50.2 | | 105 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.1 | | ug/L | 50.1 | | 108 | 56-130 | | | |
| Surrogate: Toluene-d8 | 49.4 | | ug/L | 50.4 | | 98.0 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.9 | | ug/L | 50.1 | | 102 | 82-112 | | | |
| Matrix Spike (1IC1198-MS1) | | | | | | | | | | |
| Source: 1IC1029-01 Prepared: 03/24/25 00:00 Analyzed: 03/24/25 17:52 | | | | | | | | | | |
| 2-Butanone (MEK) | 1101 | 100 | ug/L | 1000 | ND | 110 | 57-133 | | | |
| Chloroform | 551.0 | 10.0 | ug/L | 501 | ND | 110 | 51-138 | | | |
| Benzene | 516.7 | 10.0 | ug/L | 504 | ND | 102 | 37-151 | | | |
| Surrogate: Dibromofluoromethane | 531 | | ug/L | 502 | | 106 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 543 | | ug/L | 501 | | 108 | 56-130 | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11C1198 - EPA 5030B - EPA 624.1

| Matrix Spike (11C1198-MS1) | | Source: 11C1029-01 | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 17:52 | | | | | | |
|----------------------------------|-------|--------------------|------|---|----|-----|--------|-------|----|--|
| Surrogate: Toluene-d8 | 506 | | ug/L | 504 | | 100 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 505 | | ug/L | 501 | | 101 | 82-112 | | | |
| Matrix Spike Dup (11C1198-MSD1) | | Source: 11C1029-01 | | Prepared: 03/24/25 00:00 Analyzed: 03/24/25 18:15 | | | | | | |
| 2-Butanone (MEK) | 1180 | 100 | ug/L | 1000 | ND | 118 | 57-133 | 6.99 | 30 | |
| Chloroform | 573.2 | 10.0 | ug/L | 501 | ND | 114 | 51-138 | 3.95 | 54 | |
| Benzene | 520.6 | 10.0 | ug/L | 504 | ND | 103 | 37-151 | 0.752 | 61 | |
| Surrogate: Dibromofluoromethane | 550 | | ug/L | 502 | | 110 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 555 | | ug/L | 501 | | 111 | 56-130 | | | |
| Surrogate: Toluene-d8 | 507 | | ug/L | 504 | | 101 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 508 | | ug/L | 501 | | 101 | 82-112 | | | |

| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11C0804 - EPA 625 BNA - EPA 625.1

| Blank (11C0804-BLK1) | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:26 | | | | | | | | |
|------------------------|-----|---|------|------|--|------|--------|------|----|--|
| Pyridine | <10 | 10 | ug/L | | | | | | | |
| LCS (11C0804-BS1) | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:50 | | | | | | | | |
| Pyridine | <10 | 10 | ug/L | 10.0 | | 35.7 | 13-127 | | | |
| LCS Dup (11C0804-BSD1) | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 17:14 | | | | | | | | |
| Pyridine | <10 | 10 | ug/L | 10.0 | | 30.3 | 13-127 | 16.4 | 30 | |

| Determination of Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11C0804 - EPA 625 BNA - EPA 625.1

| Blank (11C0804-BLK1) | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:26 | | | | | | | | |
|---------------------------------|-------|---|------|------|--|------|--------|--|--|--|
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | | | | | | |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | | | | | | |
| Surrogate: 2-Fluorophenol | 14.8 | | ug/L | 20.6 | | 71.9 | 16-140 | | | |
| Surrogate: Phenol-d6 | 14.2 | | ug/L | 19.6 | | 72.6 | 13-147 | | | |
| Surrogate: 2,4,6-Tribromophenol | 19.9 | | ug/L | 20.0 | | 99.2 | 20-158 | | | |
| LCS (11C0804-BS1) | | Prepared: 03/17/25 15:38 Analyzed: 03/20/25 16:50 | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | 10.0 | | 76.3 | 35-117 | | | |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | 10.0 | | 78.0 | 37-114 | | | |
| Surrogate: 2-Fluorophenol | 15.4 | | ug/L | 20.6 | | 74.6 | 16-140 | | | |
| Surrogate: Phenol-d6 | 15.4 | | ug/L | 19.6 | | 78.7 | 13-147 | | | |
| Surrogate: 2,4,6-Tribromophenol | 19.6 | | ug/L | 20.0 | | 98.0 | 20-158 | | | |



Microbac Laboratories, Inc., Newton

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| Determination of Acid Extractable Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 1IC0804 - EPA 625 BNA - EPA 625.1 | | | | | | | | | | |
| LCS Dup (1IC0804-BSD1) Prepared: 03/17/25 15:38 Analyzed: 03/20/25 17:14 | | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | 10.0 | | 80.1 | 35-117 | 4.86 | 30 | |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | 10.0 | | 82.2 | 37-114 | 5.24 | 28 | |
| Surrogate: 2-Fluorophenol | 15.0 | | ug/L | 20.6 | | 72.7 | 16-140 | | | |
| Surrogate: Phenol-d6 | 13.1 | | ug/L | 19.6 | | 67.0 | 13-147 | | | |
| Surrogate: 2,4,6-Tribromophenol | 20.1 | | ug/L | 20.0 | | 100 | 20-158 | | | |
| Determination of Carbonyl Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 1IC0768 - EPA 8315 Aldehydes - EPA 8315 | | | | | | | | | | |
| Blank (1IC0768-BLK1) Prepared: 03/14/25 16:44 Analyzed: 03/18/25 09:58 | | | | | | | | | | |
| Formaldehyde | <10.0 | 10.0 | ug/L | | | | | | | |
| LCS (1IC0768-BS1) Prepared: 03/14/25 16:44 Analyzed: 03/18/25 09:37 | | | | | | | | | | |
| Formaldehyde | 455.4 | 10.0 | ug/L | 501 | | 90.9 | 62-125 | | | |
| Matrix Spike (1IC0768-MS1) Source: 1IC1029-01 Prepared: 03/14/25 16:44 Analyzed: 03/18/25 12:00 | | | | | | | | | | |
| Formaldehyde | 451.3 | 10.0 | ug/L | 501 | ND | 90.1 | 59-127 | | | |
| Matrix Spike Dup (1IC0768-MSD1) Source: 1IC1029-01 Prepared: 03/14/25 16:44 Analyzed: 03/18/25 12:20 | | | | | | | | | | |
| Formaldehyde | 446.6 | 10.0 | ug/L | 501 | ND | 89.1 | 59-127 | 1.05 | 29 | |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 1IC0813 - Wet Chem Preparation - USGS I-1750-85 | | | | | | | | | | |
| Blank (1IC0813-BLK1) Prepared: 03/18/25 07:23 Analyzed: 03/18/25 14:50 | | | | | | | | | | |
| Total Dissolved Solids (TDS) | <5 | 5 | mg/L | | | | | | | |
| LCS (1IC0813-BS1) Prepared: 03/18/25 07:23 Analyzed: 03/18/25 14:50 | | | | | | | | | | |
| Total Dissolved Solids (TDS) | 94 | 5 | mg/L | 100 | | 94.2 | 79-114 | | | |
| Duplicate (1IC0813-DUP1) Source: 1IC0959-01 Prepared: 03/18/25 07:23 Analyzed: 03/18/25 14:50 | | | | | | | | | | |
| Total Dissolved Solids (TDS) | 744 | 5 | mg/L | | 759 | | | 1.95 | 24 | |
| Batch 1IC0826 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993) | | | | | | | | | | |
| Blank (1IC0826-BLK1) Prepared & Analyzed: 03/18/25 09:08 | | | | | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| LCS (1IC0826-BS1) Prepared & Analyzed: 03/18/25 09:08 | | | | | | | | | | |
| COD, total | 1020 | 108 | mg/L | 1000 | | 102 | 90-110 | | | |
| Matrix Spike (1IC0826-MS1) Source: 1IC1029-01 Prepared & Analyzed: 03/18/25 09:08 | | | | | | | | | | |
| COD, total | 1070 | 108 | mg/L | 1000 | ND | 107 | 90-110 | | | |
| Matrix Spike Dup (1IC0826-MSD1) Source: 1IC1029-01 Prepared & Analyzed: 03/18/25 09:08 | | | | | | | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Determination of | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| Determination of Conventional Chemistry Parameters | | | | | | | | | | |
| Batch 1IC0826 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993) | | | | | | | | | | |
| Matrix Spike Dup (1IC0826-MSD1) Source: 1IC1029-01 Prepared & Analyzed: 03/18/25 09:08 | | | | | | | | | | |
| COD, total | 1060 | 108 | mg/L | 1000 | ND | 106 | 90-110 | 1.61 | 10 | |
| Batch 1IC0883 - Wet Chem Preparation - SM 2510 B-2011 | | | | | | | | | | |
| Blank (1IC0883-BLK1) Prepared: 03/18/25 15:14 Analyzed: 03/19/25 13:40 | | | | | | | | | | |
| Conductivity | <2.0 | 2.0 | uS/cm | | | | | | | |
| Duplicate (1IC0883-DUP1) Source: 1IC1029-01 Prepared: 03/18/25 15:14 Analyzed: 03/19/25 13:40 | | | | | | | | | | |
| Conductivity | 629 | 2.0 | uS/cm | | 628 | | | 0.127 | 10 | |
| Reference (1IC0883-SRM1) Prepared: 03/18/25 15:14 Analyzed: 03/19/25 13:40 | | | | | | | | | | |
| Conductivity | 451 | 2.0 | uS/cm | 500 | | 90.2 | 90-110 | | | |
| Batch 1IC0959 - Wet Chem Preparation - USGS I-3765-85 | | | | | | | | | | |
| Blank (1IC0959-BLK1) Prepared: 03/19/25 13:51 Analyzed: 03/20/25 07:41 | | | | | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |
| LCS (1IC0959-BS1) Prepared: 03/19/25 13:51 Analyzed: 03/20/25 07:41 | | | | | | | | | | |
| Total Suspended Solids (TSS) | 14.9 | 1 | mg/L | 15.0 | | 99.3 | 71-110 | | | |
| Duplicate (1IC0959-DUP1) Source: 1IC1014-01 Prepared: 03/19/25 13:51 Analyzed: 03/20/25 07:41 | | | | | | | | | | |
| Total Suspended Solids (TSS) | 63.0 | 10 | mg/L | | 48.0 | | | 27.0 | 30 | |
| Batch 1IC0960 - Wet Chem Preparation - USGS I-3765-85 | | | | | | | | | | |
| Blank (1IC0960-BLK1) Prepared: 03/19/25 13:57 Analyzed: 03/20/25 09:14 | | | | | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | | | | | | |
| LCS (1IC0960-BS1) Prepared: 03/19/25 13:57 Analyzed: 03/20/25 09:14 | | | | | | | | | | |
| Total Suspended Solids (TSS) | 13.6 | 1 | mg/L | 15.0 | | 90.7 | 71-110 | | | |
| Duplicate (1IC0960-DUP1) Source: 1IC1010-01 Prepared: 03/19/25 13:57 Analyzed: 03/20/25 09:14 | | | | | | | | | | |
| Total Suspended Solids (TSS) | 148 | 10 | mg/L | | 324 | | | 74.6 | 30 | R1 |
| Batch 1IC0961 - General Prep HPLC/IC - TIMBERLINE | | | | | | | | | | |
| Blank (1IC0961-BLK1) Prepared: 03/19/25 13:58 Analyzed: 03/19/25 14:50 | | | | | | | | | | |
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | | | | | | |
| LCS (1IC0961-BS1) Prepared: 03/19/25 13:58 Analyzed: 03/19/25 14:52 | | | | | | | | | | |
| Nitrogen, Ammonia | 5.20 | 0.10 | mg/L | 5.00 | | 104 | 90-114 | | | |
| Matrix Spike (1IC0961-MS1) Source: 1IC0988-01 Prepared: 03/19/25 13:58 Analyzed: 03/19/25 14:53 | | | | | | | | | | |
| Nitrogen, Ammonia | 5.85 | 0.10 | mg/L | 5.00 | ND | 117 | 84-115 | | | M1 |
| Matrix Spike Dup (1IC0961-MSD1) Source: 1IC0988-01 Prepared: 03/19/25 13:58 Analyzed: 03/19/25 14:55 | | | | | | | | | | |
| Nitrogen, Ammonia | 6.00 | 0.10 | mg/L | 5.00 | ND | 120 | 84-115 | 2.52 | 20 | M1 |
| Batch 1IC1134 - Wet Chem Preparation - EPA 420.1 | | | | | | | | | | |



Microbac Laboratories, Inc., Newton

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| Determination of | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Determination of Conventional Chemistry Parameters | | | | | | | | | | |
| Batch 1IC1134 - Wet Chem Preparation - EPA 420.1 | | | | | | | | | | |
| Prepared: 03/24/25 07:23 Analyzed: 03/24/25 14:33 | | | | | | | | | | |
| Blank (1IC1134-BLK1) | | | | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | | | | | | |
| Prepared: 03/24/25 07:23 Analyzed: 03/24/25 14:33 | | | | | | | | | | |
| LCS (1IC1134-BS1) | | | | | | | | | | |
| Phenols, total | 0.333 | 0.035 | mg/L | 0.400 | | 83.3 | 60-125 | | | |
| Prepared: 03/24/25 07:23 Analyzed: 03/24/25 14:33 | | | | | | | | | | |
| Matrix Spike (1IC1134-MS1) | | | | | | | | | | |
| Phenols, total | 0.330 | 0.035 | mg/L | 0.400 | ND | 82.5 | 50-139 | | | |
| Prepared: 03/24/25 07:23 Analyzed: 03/24/25 14:33 | | | | | | | | | | |
| Matrix Spike Dup (1IC1134-MSD1) | | | | | | | | | | |
| Phenols, total | 0.357 | 0.035 | mg/L | 0.400 | ND | 89.3 | 50-139 | 7.95 | 21 | |
| Batch 1IC1290 - Wet Chem Preparation - EPA 420.1 | | | | | | | | | | |
| Prepared: 03/26/25 07:17 Analyzed: 03/26/25 16:00 | | | | | | | | | | |
| Blank (1IC1290-BLK1) | | | | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | | | | | | |
| Prepared: 03/26/25 07:17 Analyzed: 03/26/25 16:00 | | | | | | | | | | |
| LCS (1IC1290-BS1) | | | | | | | | | | |
| Phenols, total | 0.316 | 0.035 | mg/L | 0.400 | | 79.1 | 60-125 | | | |
| Prepared: 03/26/25 07:17 Analyzed: 03/26/25 16:00 | | | | | | | | | | |
| Matrix Spike (1IC1290-MS1) | | | | | | | | | | |
| Phenols, total | 0.316 | 0.035 | mg/L | 0.400 | ND | 79.1 | 50-139 | | | |
| Prepared: 03/26/25 07:17 Analyzed: 03/26/25 16:00 | | | | | | | | | | |
| Matrix Spike Dup (1IC1290-MSD1) | | | | | | | | | | |
| Phenols, total | 0.330 | 0.035 | mg/L | 0.400 | ND | 82.5 | 50-139 | 4.23 | 21 | |
| Batch 1IC1318 - TOX/TX/EOX - EPA 9020B | | | | | | | | | | |
| Prepared: 03/26/25 13:10 Analyzed: 03/26/25 13:23 | | | | | | | | | | |
| Blank (1IC1318-BLK1) | | | | | | | | | | |
| Total Organic Halogens (TOX) | <0.010 | 0.010 | mg/L | | | | | | | |
| Prepared: 03/26/25 13:10 Analyzed: 03/26/25 13:23 | | | | | | | | | | |
| LCS (1IC1318-BS1) | | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.0884 | 0.010 | mg/L | 0.111 | | 79.9 | 63-128 | | | |
| Prepared: 03/26/25 13:10 Analyzed: 03/26/25 13:23 | | | | | | | | | | |
| LCS Dup (1IC1318-BSD1) | | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.0834 | 0.010 | mg/L | 0.111 | | 75.4 | 63-128 | 5.82 | 30 | |
| Prepared: 03/26/25 13:10 Analyzed: 03/26/25 13:23 | | | | | | | | | | |
| Matrix Spike (1IC1318-MS1) | | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.0864 | 0.010 | mg/L | 0.111 | 0.0189 | 61.0 | 63-128 | | | M2 |
| Prepared: 03/26/25 13:10 Analyzed: 03/26/25 13:23 | | | | | | | | | | |
| Matrix Spike Dup (1IC1318-MSD1) | | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.0906 | 0.010 | mg/L | 0.111 | 0.0189 | 64.8 | 63-128 | 4.75 | 30 | |
| Determination of Inorganic Anions | | | | | | | | | | |
| Batch 1IC1306 - General Prep HPLC/IC - 300.0 | | | | | | | | | | |
| Prepared: 03/25/25 00:00 Analyzed: 03/25/25 19:08 | | | | | | | | | | |
| Blank (1IC1306-BLK3) | | | | | | | | | | |
| Fluoride | <0.1 | 0.1 | mg/L | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <0.4 | 0.4 | 1.0 | mg/L | | | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Determination of Inorganic Anions | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|-------|-------------|---------|-----------|-------|
| Batch 1IC1306 - General Prep HPLC/IC - 300.0 | | | | | | | | | | |
| LCS (1IC1306-BS1) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 10:58 | | | | | | | | | | |
| Fluoride | 1.16 | 0.1 | mg/L | 1.23 | | 94.8 | 90-110 | | | |
| Chloride | 15.38 | 1.0 | mg/L | 15.7 | | 98.0 | 90-110 | | | |
| Sulfate | 34.31 | 0.4 | 1.0 | mg/L | 33.9 | 101 | 80-120 | | | |
| LCS (1IC1306-BS2) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 20:03 | | | | | | | | | | |
| Fluoride | 1.18 | 0.1 | mg/L | 1.23 | | 96.4 | 90-110 | | | |
| Chloride | 15.49 | 1.0 | mg/L | 15.7 | | 98.7 | 90-110 | | | |
| Sulfate | 34.02 | 0.4 | 1.0 | mg/L | 33.9 | 100 | 80-120 | | | |
| LCS Dup (1IC1306-BSD1) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 11:16 | | | | | | | | | | |
| Fluoride | 1.16 | 0.1 | mg/L | 1.23 | | 94.6 | 90-110 | 0.258 | 10 | |
| Chloride | 15.35 | 1.0 | mg/L | 15.7 | | 97.8 | 90-110 | 0.156 | 10 | |
| Sulfate | 34.31 | 0.4 | 1.0 | mg/L | 33.9 | 101 | 80-120 | 0.00291 | 10 | |
| LCS Dup (1IC1306-BSD2) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 20:21 | | | | | | | | | | |
| Fluoride | 1.19 | 0.1 | mg/L | 1.23 | | 96.7 | 90-110 | 0.337 | 10 | |
| Chloride | 15.53 | 1.0 | mg/L | 15.7 | | 99.0 | 90-110 | 0.284 | 10 | |
| Sulfate | 34.65 | 0.4 | 1.0 | mg/L | 33.9 | 102 | 80-120 | 1.85 | 10 | |
| Matrix Spike (1IC1306-MS1) Source: 1IC0828-01 Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:29 | | | | | | | | | | |
| Fluoride | 13.01 | 1.0 | mg/L | 12.3 | ND | 106 | 80-120 | | | |
| Chloride | 437.0 | 10.0 | mg/L | 157 | 276.3 | 102 | 80-120 | | | |
| Sulfate | 873.1 | 3.6 | 10.0 | mg/L | 339 | 499.2 | 110 | 87-113 | | |
| Matrix Spike (1IC1306-MS2) Source: 1IC1475-03 Prepared: 03/25/25 00:00 Analyzed: 03/25/25 22:10 | | | | | | | | | | |
| Fluoride | 15.27 | 1.0 | mg/L | 12.3 | 1.84 | 109 | 80-120 | | | |
| Chloride | 457.6 | 10.0 | mg/L | 157 | 309.4 | 94.4 | 80-120 | | | |
| Sulfate | 396.5 | 3.6 | 10.0 | mg/L | 339 | 64.28 | 98.0 | 87-113 | | |
| Matrix Spike Dup (1IC1306-MSD1) Source: 1IC0828-01 Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:47 | | | | | | | | | | |
| Fluoride | 13.02 | 1.0 | mg/L | 12.3 | ND | 106 | 80-120 | 0.0768 | 10 | |
| Chloride | 437.1 | 10.0 | mg/L | 157 | 276.3 | 102 | 80-120 | 0.0183 | 10 | |
| Sulfate | 883.4 | 3.6 | 10.0 | mg/L | 339 | 499.2 | 113 | 87-113 | 1.17 | 10 |
| Matrix Spike Dup (1IC1306-MSD2) Source: 1IC1475-03 Prepared: 03/25/25 00:00 Analyzed: 03/25/25 22:28 | | | | | | | | | | |
| Fluoride | 14.96 | 1.0 | mg/L | 12.3 | 1.84 | 107 | 80-120 | 2.05 | 10 | |
| Chloride | 458.0 | 10.0 | mg/L | 157 | 309.4 | 94.7 | 80-120 | 0.0983 | 10 | |
| Sulfate | 407.2 | 3.6 | 10.0 | mg/L | 339 | 64.28 | 101 | 87-113 | 2.66 | 10 |
| Batch 1IC1339 - General Prep HPLC/IC - EPA 9056A | | | | | | | | | | |
| Blank (1IC1339-BLK1) Prepared: 03/26/25 00:00 Analyzed: 03/26/25 10:19 | | | | | | | | | | |
| Sulfate | <0.4 | 0.4 | 1.0 | mg/L | | | | | | |
| Blank (1IC1339-BLK2) Prepared: 03/26/25 00:00 Analyzed: 03/26/25 15:28 | | | | | | | | | | |
| Sulfate | <0.4 | 0.4 | 1.0 | mg/L | | | | | | |
| LCS (1IC1339-BS1) Prepared: 03/26/25 00:00 Analyzed: 03/26/25 10:55 | | | | | | | | | | |
| Sulfate | 34.27 | 0.4 | 1.0 | mg/L | 33.9 | 101 | 80-120 | | | |
| LCS Dup (1IC1339-BSD1) Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:13 | | | | | | | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Determination of Inorganic Anions | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-----------------------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1IC1339 - General Prep HPLC/IC - EPA 9056A

| LCS Dup (1IC1339-BSD1) | | | | | Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:13 | | | | | | |
|---------------------------------|-------|-----|------|------|--|-------|--------|--------|------|----|--|
| Sulfate | 34.22 | 0.4 | 1.0 | mg/L | 33.9 | 101 | 80-120 | 0.128 | 10 | | |
| Matrix Spike (1IC1339-MS1) | | | | | Source: 1IC1044-01 Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:02 | | | | | | |
| Sulfate | 430.9 | 3.6 | 10.0 | mg/L | 339 | 59.10 | 110 | 87-113 | | | |
| Matrix Spike Dup (1IC1339-MSD1) | | | | | Source: 1IC1044-01 Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:20 | | | | | | |
| Sulfate | 424.4 | 3.6 | 10.0 | mg/L | 339 | 59.10 | 108 | 87-113 | 1.51 | 10 | |

| Determination of Total Metals | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-------------------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1IC0785 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)

| Blank (1IC0785-BLK1) | | | | | Prepared: 03/17/25 14:07 Analyzed: 03/19/25 15:30 | | | | | | |
|----------------------|----------|---------|--------|------|---|--|--|--|--|--|--|
| Antimony, total | <0.0008 | 0.0008 | 0.0020 | mg/L | | | | | | | |
| Arsenic, total | <0.0006 | 0.0006 | 0.0020 | mg/L | | | | | | | |
| Barium, total | <0.0002 | 0.0002 | 0.0020 | mg/L | | | | | | | |
| Beryllium, total | <0.00007 | 0.00007 | 0.0020 | mg/L | | | | | | | |
| Cadmium, total | <0.00008 | 0.00008 | 0.0002 | mg/L | | | | | | | |
| Chromium, total | <0.0007 | 0.0007 | 0.0020 | mg/L | | | | | | | |
| Cobalt, total | <0.0005 | 0.0005 | 0.0020 | mg/L | | | | | | | |
| Copper, total | <0.0008 | 0.0008 | 0.0020 | mg/L | | | | | | | |
| Lead, total | <0.0005 | 0.0005 | 0.0008 | mg/L | | | | | | | |
| Manganese, total | <0.0017 | 0.0017 | 0.0040 | mg/L | | | | | | | |
| Molybdenum, total | <0.0006 | 0.0006 | 0.0020 | mg/L | | | | | | | |
| Nickel, total | <0.0007 | 0.0007 | 0.0040 | mg/L | | | | | | | |
| Selenium, total | <0.0011 | 0.0011 | 0.0040 | mg/L | | | | | | | |
| Silver, total | <0.0015 | 0.0015 | 0.0020 | mg/L | | | | | | | |
| Thallium, total | <0.0004 | 0.0004 | 0.0008 | mg/L | | | | | | | |
| Vanadium, total | <0.0043 | 0.0043 | 0.0080 | mg/L | | | | | | | |
| Zinc, total | <0.0174 | 0.0174 | 0.0200 | mg/L | | | | | | | |

| LCS (1IC0785-BS1) | | | | | Prepared: 03/17/25 14:07 Analyzed: 03/19/25 15:49 | | | | | | |
|-------------------|--------|---------|--------|------|---|------|--------|--|--|--|--|
| Antimony, total | 0.0952 | 0.0008 | 0.0020 | mg/L | 0.100 | 95.2 | 85-115 | | | | |
| Arsenic, total | 0.0943 | 0.0006 | 0.0020 | mg/L | 0.100 | 94.3 | 85-115 | | | | |
| Barium, total | 0.109 | 0.0002 | 0.0020 | mg/L | 0.100 | 109 | 85-115 | | | | |
| Beryllium, total | 0.0967 | 0.00007 | 0.0020 | mg/L | 0.100 | 96.7 | 85-115 | | | | |
| Cadmium, total | 0.0945 | 0.00008 | 0.0002 | mg/L | 0.100 | 94.5 | 85-115 | | | | |
| Chromium, total | 0.0973 | 0.0007 | 0.0008 | mg/L | 0.100 | 97.3 | 85-115 | | | | |
| Cobalt, total | 0.102 | 0.0005 | 0.0020 | mg/L | 0.100 | 102 | 85-115 | | | | |
| Copper, total | 0.101 | 0.0008 | 0.0020 | mg/L | 0.100 | 101 | 85-115 | | | | |
| Lead, total | 0.0978 | 0.0005 | 0.0008 | mg/L | 0.100 | 97.8 | 85-115 | | | | |
| Manganese, total | 0.0976 | 0.0017 | 0.0040 | mg/L | 0.100 | 97.6 | 85-115 | | | | |
| Molybdenum, total | 0.0976 | 0.0006 | 0.0020 | mg/L | 0.100 | 97.6 | 85-115 | | | | |
| Nickel, total | 0.101 | 0.0007 | 0.0040 | mg/L | 0.100 | 101 | 85-115 | | | | |
| Selenium, total | 0.0941 | 0.0011 | 0.0040 | mg/L | 0.100 | 94.1 | 85-115 | | | | |
| Silver, total | 0.0982 | 0.0015 | 0.0020 | mg/L | 0.100 | 98.2 | 85-115 | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Determination of Total Metals | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|---------|--------|-------|-------------|---------------|------|-------------|--------|-----------|-------|
| Batch 1IC0785 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | | | |
| LCS (1IC0785-BS1) Prepared: 03/17/25 14:07 Analyzed: 03/19/25 15:49 | | | | | | | | | | | |
| Thallium, total | 0.0970 | 0.0004 | 0.0008 | mg/L | 0.100 | | 97.0 | 85-115 | | | |
| Vanadium, total | 0.0981 | 0.0043 | 0.0080 | mg/L | 0.100 | | 98.1 | 85-115 | | | |
| Zinc, total | 0.0948 | 0.0174 | 0.0200 | mg/L | 0.100 | | 94.8 | 85-115 | | | |
| Matrix Spike (1IC0785-MS1) Source: 1IC0920-02 Prepared: 03/17/25 14:07 Analyzed: 03/19/25 16:01 | | | | | | | | | | | |
| Antimony, total | 0.0959 | 0.0008 | 0.0020 | mg/L | 0.100 | ND | 95.9 | 70-130 | | | |
| Arsenic, total | 0.0981 | 0.0006 | 0.0020 | mg/L | 0.100 | 0.0019 | 96.2 | 70-130 | | | |
| Barium, total | 0.120 | 0.0002 | 0.0020 | mg/L | 0.100 | 0.0103 | 109 | 70-130 | | | |
| Beryllium, total | 0.0911 | 0.00007 | 0.0020 | mg/L | 0.100 | ND | 91.1 | 70-130 | | | |
| Cadmium, total | 0.0921 | 0.00008 | 0.0002 | mg/L | 0.100 | 0.0012 | 90.9 | 70-130 | | | |
| Chromium, total | 0.0984 | 0.0007 | 0.0008 | mg/L | 0.100 | 0.0064 | 92.1 | 70-130 | | | |
| Cobalt, total | 0.102 | 0.0005 | 0.0020 | mg/L | 0.100 | 0.0011 | 101 | 70-130 | | | |
| Copper, total | 0.102 | 0.0008 | 0.0020 | mg/L | 0.100 | 0.0095 | 92.1 | 70-130 | | | |
| Lead, total | 0.0875 | 0.0005 | 0.0008 | mg/L | 0.100 | ND | 87.5 | 70-130 | | | |
| Manganese, total | 0.251 | 0.0017 | 0.0040 | mg/L | 0.100 | 0.164 | 86.7 | 70-130 | | | |
| Molybdenum, total | 1.59 | 0.0006 | 0.0020 | mg/L | 0.100 | 1.49 | 102 | 70-130 | | | |
| Nickel, total | 0.229 | 0.0007 | 0.0040 | mg/L | 0.100 | 0.134 | 95.1 | 70-130 | | | |
| Selenium, total | 0.0926 | 0.0011 | 0.0040 | mg/L | 0.100 | ND | 92.6 | 70-130 | | | |
| Silver, total | 0.0937 | 0.0015 | 0.0020 | mg/L | 0.100 | ND | 93.7 | 70-130 | | | |
| Thallium, total | 0.0817 | 0.0004 | 0.0008 | mg/L | 0.100 | ND | 81.7 | 70-130 | | | |
| Vanadium, total | 0.0980 | 0.0043 | 0.0080 | mg/L | 0.100 | ND | 98.0 | 70-130 | | | |
| Zinc, total | 0.469 | 0.0174 | 0.0200 | mg/L | 0.100 | 0.390 | 79.1 | 70-130 | | | |
| Matrix Spike Dup (1IC0785-MSD1) Source: 1IC0920-02 Prepared: 03/17/25 14:07 Analyzed: 03/19/25 16:07 | | | | | | | | | | | |
| Antimony, total | 0.0966 | 0.0008 | 0.0020 | mg/L | 0.100 | ND | 96.6 | 70-130 | 0.810 | 20 | |
| Arsenic, total | 0.0998 | 0.0006 | 0.0020 | mg/L | 0.100 | 0.0019 | 97.9 | 70-130 | 1.70 | 20 | |
| Barium, total | 0.120 | 0.0002 | 0.0020 | mg/L | 0.100 | 0.0103 | 109 | 70-130 | 0.0598 | 20 | |
| Beryllium, total | 0.0894 | 0.00007 | 0.0020 | mg/L | 0.100 | ND | 89.4 | 70-130 | 1.85 | 20 | |
| Cadmium, total | 0.0921 | 0.00008 | 0.0002 | mg/L | 0.100 | 0.0012 | 90.9 | 70-130 | 0.0256 | 20 | |
| Chromium, total | 0.0992 | 0.0007 | 0.0020 | mg/L | 0.100 | 0.0064 | 92.9 | 70-130 | 0.825 | 20 | |
| Cobalt, total | 0.103 | 0.0005 | 0.0020 | mg/L | 0.100 | 0.0011 | 102 | 70-130 | 1.68 | 20 | |
| Copper, total | 0.103 | 0.0008 | 0.0020 | mg/L | 0.100 | 0.0095 | 94.0 | 70-130 | 1.87 | 20 | |
| Lead, total | 0.0879 | 0.0005 | 0.0008 | mg/L | 0.100 | ND | 87.9 | 70-130 | 0.546 | 20 | |
| Manganese, total | 0.253 | 0.0017 | 0.0040 | mg/L | 0.100 | 0.164 | 88.9 | 70-130 | 0.863 | 20 | |
| Molybdenum, total | 1.60 | 0.0006 | 0.0020 | mg/L | 0.100 | 1.49 | 110 | 70-130 | 0.536 | 20 | |
| Nickel, total | 0.234 | 0.0007 | 0.0040 | mg/L | 0.100 | 0.134 | 100 | 70-130 | 2.24 | 20 | |
| Selenium, total | 0.0918 | 0.0011 | 0.0040 | mg/L | 0.100 | ND | 91.8 | 70-130 | 0.897 | 20 | |
| Silver, total | 0.0929 | 0.0015 | 0.0020 | mg/L | 0.100 | ND | 92.9 | 70-130 | 0.873 | 20 | |
| Thallium, total | 0.0827 | 0.0004 | 0.0008 | mg/L | 0.100 | ND | 82.7 | 70-130 | 1.20 | 20 | |
| Vanadium, total | 0.0985 | 0.0043 | 0.0080 | mg/L | 0.100 | ND | 98.5 | 70-130 | 0.552 | 20 | |
| Zinc, total | 0.475 | 0.0174 | 0.0200 | mg/L | 0.100 | 0.390 | 84.7 | 70-130 | 1.20 | 20 | |
| Post Spike (1IC0785-PS1) Source: 1IC0920-02 Prepared: 03/17/25 14:07 Analyzed: 03/19/25 16:13 | | | | | | | | | | | |
| Antimony, total | 0.0787 | | | mg/L | 0.0800 | 0.0004 | 97.9 | 70-130 | | | |
| Arsenic, total | 0.0823 | | | mg/L | 0.0800 | 0.0019 | 100 | 70-130 | | | |
| Barium, total | 0.0920 | | | mg/L | 0.0800 | 0.0101 | 102 | 70-130 | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1029

| Determination of Total Metals | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|-------|-------|---|---------------|------|-------------|------|-----------|-------|
| Batch 11C0785 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | | | |
| Post Spike (11C0785-PS1) | | Source: 11C0920-02 | | | Prepared: 03/17/25 14:07 Analyzed: 03/19/25 16:13 | | | | | | |
| Beryllium, total | 0.0733 | | | mg/L | 0.0800 | -0.00001 | 91.6 | 70-130 | | | |
| Cadmium, total | 0.0763 | | | mg/L | 0.0800 | 0.0012 | 93.9 | 70-130 | | | |
| Chromium, total | 0.0818 | | | mg/L | 0.0800 | 0.0062 | 94.4 | 70-130 | | | |
| Cobalt, total | 0.0860 | | | mg/L | 0.0800 | 0.0011 | 106 | 70-130 | | | |
| Copper, total | 0.0870 | | | mg/L | 0.0800 | 0.0093 | 97.1 | 70-130 | | | |
| Lead, total | 0.0720 | | | mg/L | 0.0800 | 0.0001 | 89.8 | 70-130 | | | |
| Manganese, total | 0.238 | | | mg/L | 0.0800 | 0.161 | 96.6 | 70-130 | | | |
| Molybdenum, total | 1.58 | | | mg/L | 0.0800 | 1.46 | 160 | 70-130 | | | M6 |
| Nickel, total | 0.222 | | | mg/L | 0.0800 | 0.131 | 113 | 70-130 | | | |
| Selenium, total | 0.0742 | | | mg/L | 0.0800 | 0.0003 | 92.3 | 70-130 | | | |
| Silver, total | 0.0761 | | | mg/L | 0.0800 | 0.00003 | 95.1 | 70-130 | | | |
| Thallium, total | 0.0719 | | | mg/L | 0.0800 | 0.0002 | 89.6 | 70-130 | | | |
| Vanadium, total | 0.0812 | | | mg/L | 0.0800 | 0.0017 | 99.3 | 70-130 | | | |
| Zinc, total | 0.457 | | | mg/L | 0.0800 | 0.382 | 93.4 | 70-130 | | | |
| Batch 11C0913 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994) | | | | | | | | | | | |
| Blank (11C0913-BLK1) | | | | | Prepared: 03/19/25 07:23 Analyzed: 03/20/25 02:19 | | | | | | |
| Aluminum, total | <0.050 | | 0.050 | mg/L | | | | | | | |
| Boron, total | <0.056 | 0.056 | 0.100 | mg/L | | | | | | | |
| Iron, total | <0.047 | 0.047 | 0.100 | mg/L | | | | | | | |
| Magnesium, total | <0.06 | 0.06 | 0.10 | mg/L | | | | | | | |
| LCS (11C0913-BS1) | | | | | Prepared: 03/19/25 07:23 Analyzed: 03/20/25 02:27 | | | | | | |
| Aluminum, total | 2.33 | | 0.050 | mg/L | 2.20 | | 106 | 85-115 | | | |
| Boron, total | 0.223 | 0.056 | 0.100 | mg/L | 0.200 | | 112 | 85-115 | | | |
| Iron, total | 2.51 | 0.047 | 0.100 | mg/L | 2.20 | | 114 | 85-115 | | | |
| Magnesium, total | 2.23 | 0.06 | 0.10 | mg/L | 2.20 | | 101 | 85-115 | | | |
| Matrix Spike (11C0913-MS1) | | Source: 11C0880-01 | | | Prepared: 03/19/25 07:23 Analyzed: 03/20/25 02:42 | | | | | | |
| Aluminum, total | 2.50 | | 0.050 | mg/L | 2.20 | 0.243 | 103 | 70-130 | | | |
| Boron, total | 10.5 | 0.056 | 0.100 | mg/L | 0.200 | 10.5 | NR | 70-130 | | | M6 |
| Iron, total | 9.58 | 0.047 | 0.100 | mg/L | 2.20 | 7.42 | 98.4 | 70-130 | | | |
| Magnesium, total | 107 | 0.06 | 0.10 | mg/L | 2.20 | 108 | NR | 70-130 | | | M6 |
| Matrix Spike Dup (11C0913-MSD1) | | Source: 11C0880-01 | | | Prepared: 03/19/25 07:23 Analyzed: 03/20/25 02:52 | | | | | | |
| Aluminum, total | 2.63 | | 0.050 | mg/L | 2.20 | 0.243 | 109 | 70-130 | 5.04 | 20 | |
| Boron, total | 11.1 | 0.056 | 0.100 | mg/L | 0.200 | 10.5 | 316 | 70-130 | 5.87 | 20 | M6 |
| Iron, total | 10.2 | 0.047 | 0.100 | mg/L | 2.20 | 7.42 | 126 | 70-130 | 6.11 | 20 | |
| Magnesium, total | 114 | 0.06 | 0.10 | mg/L | 2.20 | 108 | 257 | 70-130 | 6.34 | 20 | M6 |
| Post Spike (11C0913-PS1) | | Source: 11C0880-01 | | | Prepared: 03/19/25 07:23 Analyzed: 03/20/25 03:14 | | | | | | |
| Aluminum, total | 9.73 | | | mg/L | 8.80 | 0.243 | 108 | 85-115 | | | |
| Boron, total | 11.2 | | | mg/L | 0.800 | 10.5 | 88.5 | 85-115 | | | |
| Iron, total | 17.1 | | | mg/L | 8.80 | 7.42 | 110 | 85-115 | | | |
| Magnesium, total | 117 | | | mg/L | 8.80 | 108 | 104 | 85-115 | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1029

| Determination of Total Metals | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|----------|---------|---------|---|-------------|---------------|------|---|------|-----------|-------|
| Batch 1IC1060 - EPA 7470A Hg Water - SM 3112B | | | | | | | | | | | |
| Blank (1IC1060-BLK1) | | | | Prepared: 03/20/25 15:36 Analyzed: 03/21/25 14:59 | | | | | | | |
| Mercury, total | <0.00013 | 0.00013 | 0.00020 | mg/L | | | | | | | |
| LCS (1IC1060-BS1) | | | | Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:01 | | | | | | | |
| Mercury, total | 0.00299 | 0.00013 | 0.00020 | mg/L | 0.00250 | | 120 | 81-119 | | | Q2 |
| Matrix Spike (1IC1060-MS1) | | | | Source: 1IC1029-01 | | | | Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:31 | | | |
| Mercury, total | 0.00312 | 0.00013 | 0.00020 | mg/L | 0.00250 | ND | 125 | 72-123 | | | M1 |
| Matrix Spike Dup (1IC1060-MSD1) | | | | Source: 1IC1029-01 | | | | Prepared: 03/20/25 15:36 Analyzed: 03/21/25 15:33 | | | |
| Mercury, total | 0.00306 | 0.00013 | 0.00020 | mg/L | 0.00250 | ND | 123 | 72-123 | 1.66 | 18 | |

Definitions

- H:** Sample was analyzed past holding time.
- M1:** Matrix spike recovery is above acceptance limits.
- M2:** Matrix spike recovery is below acceptance limits.
- M6:** Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
- MDL:** Minimum Detection Limit
- Q2:** LCS recovery is above acceptance limits.
- R1:** Duplicate RPD is outside acceptance criteria.
- RL:** Reporting Limit
- RPD:** Relative Percent Difference
- TX1:** Repeated analysis of this sample consistently exceeded greater than 10% breakthrough to the second column.
- TX2:** The RPD value for the sample duplicates are outside of acceptance limits due to matrix interference. The reported value is an average of all test measurements.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 1.8°C

Cooler Inspection Checklist

| | | | |
|------------------|-----|------------------------|-----|
| Custody Seals | No | Containers Intact | Yes |
| COC/Labels Agree | Yes | Preservation Confirmed | No |
| Received On Ice | Yes | | |

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <<https://www.microbac.com/standard-terms-conditions>>.

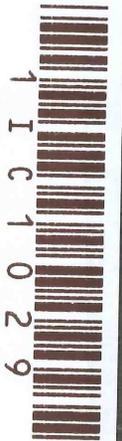
Reviewed and Approved By:

Heather Tisdale
Customer Relationship Specialist
heather.tisdale@microbac.com
04/01/25 15:53



600 East 17th St
Newton, IA 50201
641-792-8451

BMC Aggregates L.C.
Pvt: Heather Tisdale



1 I C 1 0 2 9

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CHAIN

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order 1701029
Temperature 1.8
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Number of Containers

Analyses

Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|--------|-----------------------------------|---------|-------------|------|------|----------------------|--|-------------------|
| -001 | Well #1 | Aqueous | GRAB | / / | | | 624@benzene 624@nick 625@pyridine 9020-100 al-1-200.7 bar-1-200.8 b-1-200.7 cod-1-410.4 co-1-200.8 cu-1-200.8 hg-1-3112-low ma-1-200.8 ml3-linberline pb-1-200.8 sb-1-200.8 so4-905G-w tl-1-200.8 v-1-200.8 | 01 |

Sherman says please remember to run electrical conductivity

Relinquished By Sherman Lundy 3/13/25 3PM

Relinquished By J Hoekm

3/13/25 1500

Received By

Received for Lab By

Date/Time

Original - Lab Copy Yellow - Sampler Copy
John Fawcett 3/14/25 - 12:05



600 East 17th
Newton, IA 507
641-792-8451

BMC Aggregates L.C.
P.M. Heather Tisdale



1 I C 1 0 2 9

Page 2 of
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

LAB USE ONLY

Work Order TC 1029
Temperature _____
Turn-Cooler: No

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|------|------|----------------------|------------|-------------------|
| | Well #1 | | | | | | Zr-t-200.8 | |

Relinquished By Sherman Lundy 3/13/25 3PM

Received By _____ Date/Time _____

Relinquished By J. Brown 3/13/25 15:00

Received for Lab By _____ Date/Time _____

Remarks:

Original - Lab Copy Yellow - Sampler Copy



600 East 17th S
Newton, IA 5021
641-792-8451

BMC Aggregates L.C.
PM: Heather Tisdale

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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order 11C1029
Temperature 1.8
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|------|------|----------------------|---|--|-----------|
| -001 | Well #2 | Aqueous | GRAB | / / | | | 624@benzene 624@buck 625@pyridine 8313@Formaldehyde ug-l-200.8 us-l-200.8 be-l-200.8 cd-l-200.8 cond-2510 cr-t-200.8 fe-l-200.7 mg-t-200.7 mo-l-200.8 ni-l-200.8 phenol-l-420.1 se-t-200.8 tds-l-1750-85 tss-l-3765-85 | 624@chloroform 624-base-analysis 625-126 9020-100 al-l-200.7 br-l-200.8 b-l-200.7 cod-l-410.4 cu-l-200.8 cr-t-200.8 hg-l-5112-low mu-t-200.8 ni3-timberline pb-l-200.8 sb-l-200.8 sc4-9056-w il-l-200.8 v-l-200.8 | <u>02</u> |

Relinquished By Sherman Lundy Date/Time 3/13/25 3PM

Relinquished By JHogan Date/Time 3/13/25 1300

Received By _____ Date/Time _____

Received for Lab By Jeno Fawcett Date/Time 3/14/25 1205

Remarks:



600 East 17
Newton, IA
641-792-841

1 I C 1 0 2 9
BMC Aggregates L.C.
Pvt. Heather Tisdale

Page 4 of
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order 17C1029
Temperature 1.8
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|--------|-----------------------------------|--------|-------------|------|------|----------------------|------------|-------------------|
| | Well #2 | | | | | | Zn-1-200.8 | |

Relinquished By Sherman 3/13/25 3PM

Relinquished By J Hogann 3/13/25 1500

Remarks:

Received By

Received for Lab By

Original - Lab Copy Yellow - Sampler Copy



600 East 11th
Newton, IA
641-792-84

BMC Aggregates L.C.
PM: Heather Tisdale



1 I C 1 0 2 9

Page 5 of
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order ICC1029
Temperature 128
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

Number Sample Identification / Client ID Matrix Type Date Time Number of Containers Analyses Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Type | Date | Time | Number of Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|------|------|------|----------------------|---|---|----|
| -001 | Well #3 | Aqueous | GRAB | / / | | | 624@benzene 624@nick 625@pyridine 8315@Formaldehyde ug-l-200.8 us-l-200.8 be-l-200.8 cd-l-200.8 cond-2510 cr-t-200.8 fe-l-200.7 mg-t-200.7 mo-l-200.8 ni-l-200.8 phenol-l-420.1 se-t-200.8 tds-i-1750-85 tss-i-3765-85 | 624@chloroform 624-base-analysis 625-126 9020-100 al-l-200.7 be-l-200.8 bl-l-200.7 cod-l-410.4 co-l-200.8 cu-t-200.8 hg-l-3112-low mn-t-200.8 ni3-hinderline pb-l-200.8 sb-l-200.8 so4-9056-w tl-l-200.8 v-l-200.8 | 03 |

Relinquished By *Sherman Lundy* 3/13/25 3 PM
Date/Time

Relinquished By *JHegam* 3/13/25 15:00
Date/Time

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

Jane Fawcett Original - Lab Copy Yellow - Sampler Copy
3/14/25 12:05



600 East
Newton
641-792

BMC Aggregates L.C.
PM: Heather Tisdale



1 I C 1 0 2 9

Page 6 of
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order: TC1029
Temperature: 1.8
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Number of Containers

Analyses

Lab Sample Number

| | | | | | | | | |
|--|---------|--|--|--|--|--|----------|--|
| | Well #3 | | | | | | Zn+200.8 | |
|--|---------|--|--|--|--|--|----------|--|

Relinquished By: Sherman Lundy 3/13/25 3PM

Relinquished By: J Hoggan

Date/Time: 3/13/25 15:00

Received By: _____ Date/Time: _____

Received for/Lab By: _____

Date/Time: _____

Remarks:

Original - Lab Copy Yellow - Sampler Copy
John Fausso 3/14/25 12:05



600 East 17th Str
 Newton, IA 50208
 641-792-8451

BMC Aggregates L.C.
 P.M. Heather Tisdale



1 I C 1 0 2 9

Page 7 of 7
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
 Miller Creek Area

REPORT TO

Sherman Lundy
 BMC Aggregates L.C.
 101 BMC Drive
 Elk Run Heights, IA 50707

SEND TO

Accounts Payable
 BMC Aggregates L.C.
 101 BMC Drive
 Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
 Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order 1101029
 Temperature 18
 Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|------|------|----------------------|--|---|-----------|
| -001 | Well #4 | Aqueous | GRAB | / / | | | 624@benzene 624@nec 625@pyridine 8313@formaldehyde ug-1-200.8 us-1-200.8 be-1-200.8 cd-1-200.8 cond-2510 cr-t-200.8 fe-1-200.7 mg-t-200.7 mo-1-200.8 ni-1-200.8 phenol-1-420.1 se-t-200.8 lds-i-1750-85 lss-i-3765-85 | 624@chloroform 624-base-analysits 625-126 9020-100 al-1-200.7 be-1-200.8 b-1-200.7 cod-1-410.4 co-1-200.8 cu-t-200.8 hg-1-3112-low mn-t-200.8 ni3-hinderline pb-1-200.8 sb-1-200.8 so4-9056-w ll-1-200.8 v-1-200.8 | <u>04</u> |

Relinquished By Sherman Lundy Date/Time 3/13/25 3 PM

Received By _____ Date/Time _____

Relinquished By J Weism Date/Time 3/13/25 15:00

Received for Lab By _____ Date/Time _____

Remarks:

Original - Lab Copy Yellow - Sampler Copy
 Jans Fousoo 3/14/25 12:05



600 East 17th
Newton, IA 50
641-792-8451

BMC Aggregates L.C.
PM: Heather Tisdale



1 I C 1 0 2 9

Page 8 of
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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order: 14115EDF 1TC1029
Temperature: 18
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | Number of Containers | Analyses | Lab Sample Number |
|----------|-----------------------------------|--------|-------------|------|------|----------------------|----------|-------------------|
| | Well #4 Well #4 | | | | | | | zn+200.8 |
| Remarks: | | | | | | | | |

Relinquished By: Sherman Lundy Date/Time: 3/13/25 3PM

Relinquished By: J Hogan Date/Time: 3/13/25 15:00

Received By: _____ Date/Time: _____

Received for Lab By: _____ Date/Time: _____

Original - Lab Copy Yellow - Sampler Copy
Jeno Farnas 3/14/25-EDF



600 East 17th
Newton, IA 507
641-792-8451

1 I C 1 0 2 9
BMC Aggregates L.C.
P.M.: Heather Tisdale

CH2



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SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Work Order 1TC1029
Temperature 1.8
Turn-Cooler: No

Custody Seal
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice

Number Sample Identification / Client ID Matrix Type Date Time Number of Containers Analyses Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Type | Date | Time | Number of Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|------|------|------|----------------------|--|---|----|
| -001 | Upgradient Well | Aqueous | GRAB | / / | | | 624@benzene 624@aneuk 625@pyridine 8315@Formaldehyde ug-1-200.8 us-1-200.8 be-1-200.8 cd-1-200.8 cond-2510 cr-1-200.8 fe-1-200.7 mg-1-200.7 ni-1-200.8 ni-1-200.8 phenol-1-420.1 se-1-200.8 ds-1-1750-85 ss-1-3765-85 | 624@chloroform 624-buse-analysis 625-126 9020-100 al-1-200.7 be-1-200.8 b-1-200.7 cond-1-410.4 co-1-200.8 cu-1-200.8 hg-1-3112-10w mn-1-200.8 ni3-tinberline pb-1-200.8 sb-1-200.8 so4-9056-w ll-1-200.8 v-1-200.8 | 15 |

Relinquished By *Sherman Lundy* 3/13/25 3:00 PM

Relinquished By *J. Nelson* 3/13/25 15:00

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

Original - Lab Copy Yellow - Sampler Copy
Jeno Fawcett 3/14/25 12:05



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

Project Description

Miller Creek Area

For:

Sherman Lundy

BMC Aggregates L.C.

101 BMC Drive

Elk Run Heights, IA 50707

Heather Tisdale

Customer Relationship Specialist

Wednesday, November 5, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

BMC Aggregates L.C.

Sherman Lundy
101 BMC Drive
Elk Run Heights, IA 50707

Project Name: Miller Creek Area

Project / PO Number: Sherman Lundy
Received: 10/17/2025
Reported: 11/05/2025

Sample Summary Report

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Client Matrix</u> | <u>Sample Type</u> | <u>Sample Begin</u> | <u>Sample Taken</u> | <u>Lab Received</u> |
|--------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|
| Well #1 | 11J1640-01 | Aqueous | GRAB | | 10/15/25 12:30 | 10/17/25 11:35 |
| Well #2 | 11J1640-02 | Aqueous | GRAB | | 10/15/25 01:00 | 10/17/25 11:35 |
| Well #3 | 11J1640-03 | Aqueous | GRAB | | 10/15/25 12:30 | 10/17/25 11:35 |
| Well #4 | 11J1640-04 | Aqueous | GRAB | | 10/15/25 14:00 | 10/17/25 11:35 |
| Upgradient Well | 11J1640-05 | Aqueous | GRAB | | 10/15/25 14:30 | 10/17/25 11:35 |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

Analytical Testing Parameters

| | | | |
|--------------------------|------------|-------------------------|------------------|
| Client Sample ID: | Well #1 | Collected By: | Sherman Lundy |
| Sample Matrix: | Aqueous | Collection Date: | 10/15/2025 12:30 |
| Lab Sample ID: | 11J1640-01 | | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|--------------|---------------|-------|-------------------------|---------------|---------------|---------|
| EPA 5030B/EPA 624.1 | | | | Method Notes: H2 | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 10/31/25 0000 | 10/31/25 1255 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Surrogate: Dibromofluoromethane | 92.3 | Limit: 59-123 | % Rec | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 84.3 | Limit: 56-130 | % Rec | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Surrogate: Toluene-d8 | 98.0 | Limit: 85-113 | % Rec | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.2 | Limit: 82-112 | % Rec | | 10/30/25 0000 | 10/30/25 1952 | RAF |
| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| Pyridine | <10 | 10 | ug/L | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| Determination of Acid Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| Surrogate: 2-Fluorophenol | 81.8 | Limit: 16-140 | % Rec | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| Surrogate: Phenol-d6 | 83.7 | Limit: 13-147 | % Rec | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 111 | Limit: 20-158 | % Rec | | 10/21/25 0943 | 10/27/25 1529 | EPP |
| Determination of Carbonyl Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 8315A | | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | 10/17/25 1046 | 10/20/25 1231 | PDS |
| Metals Total by ICP | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | |
| Aluminum | <0.050 | 0.050 | mg/L | | 10/21/25 1518 | 10/23/25 0810 | JAR |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 410.4, Rv. 2 (1993) | | | | | | | |
| COD, total | <54 | 54 | mg/L | | 10/21/25 1123 | 10/21/25 1608 | KAC |
| EPA 420.1 | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | 10/28/25 0854 | 10/29/25 1427 | RDH |
| EPA 9020B | | | | | | | |
| Total Organic Halogens (TOX) | 0.036 | 0.010 | mg/L | | 10/29/25 0000 | 10/30/25 1443 | CSM |
| SM 2510 B-2011 | | | | | | | |
| Conductivity | 649 | 2.0 | uS/cm | | 10/21/25 1311 | 10/21/25 1557 | BSS |

TIMBERLINE

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CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #1 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 12:30 |
| Lab Sample ID: 11J1640-01 | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
|--|---------------|---------|---------|-------|---------------|---------------|---------------|---------|
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | 10/20/25 1504 | 10/21/25 1025 | BHF | |
| USGS I-1750-85 | | | | | | | | |
| Total Dissolved Solids (TDS) | 395 | 5 | mg/L | | 10/17/25 1408 | 10/20/25 0900 | LAW | |
| USGS I-3765-85 | | | | | | | | |
| Total Suspended Solids (TSS) | 2 | 1 | mg/L | | 10/17/25 1405 | 10/20/25 0951 | LAW | |
| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
| 300.0 | | | | | | | | |
| Fluoride | 1.0 | 0.1 | mg/L | | | 10/20/25 1140 | BMS | |
| Chloride | 12.1 | 1.0 | mg/L | | | 10/20/25 1140 | BMS | |
| Metals Total by AA | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| SM 3112 B-2011 | | | | | | | | |
| Mercury | <0.00015 | 0.00015 | 0.00050 | mg/L | | 10/27/25 1536 | 10/28/25 1638 | JAR |
| Metals Total by ICP | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | | |
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | 10/21/25 1518 | 10/23/25 0810 | JAR |
| Iron | 0.127 | 0.047 | 0.100 | mg/L | | 10/21/25 1518 | 10/23/25 0810 | JAR |
| Magnesium | 35.5 | 0.06 | 0.10 | mg/L | M6 | 10/21/25 1518 | 10/23/25 0810 | JAR |
| Metals Total by ICPMS | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.8, Rv. 5.4 (1994) | | | | | | | | |
| Antimony | <0.0003 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Arsenic | 0.0010 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Barium | 0.259 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Chromium | 0.0003 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Cobalt | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Copper | 0.0026 | 0.0021 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Lead | 0.0002 | 0.0002 | 0.0005 | mg/L | J | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Manganese | 0.0026 | 0.0002 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Molybdenum | <0.0005 | 0.0005 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Nickel | 0.0023 | 0.0004 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Selenium | <0.0011 | 0.0011 | 0.0020 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Thallium | <0.00007 | 0.00007 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Vanadium | <0.0005 | 0.0005 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Zinc | <0.0136 | 0.0136 | 0.0200 | mg/L | | 10/20/25 1620 | 10/21/25 1843 | RVV |
| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 9056A | | | | | | | | |

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CERTIFICATE OF ANALYSIS

1IJ1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #1 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 12:30 |
| Lab Sample ID: 1IJ1640-01 | |

| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|-----|-------|------|----------|---------------|---------|
| Sulfate | 90.2 | 0.4 | 1.0 | mg/L | | | 10/20/25 1140 | BMS |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|---|
| Client Sample ID: Well #2 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 1:00 |
| Lab Sample ID: 11J1640-02 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|-------|------|---------------|---------------|---------|
| EPA 5030B/EPA 624.1 | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Surrogate: Dibromofluoromethane | 98.2 | Limit: 59-123 | % Rec | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 56-130 | % Rec | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Surrogate: Toluene-d8 | 106 | Limit: 85-113 | % Rec | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Surrogate: 4-Bromofluorobenzene | 89.7 | Limit: 82-112 | % Rec | | 10/29/25 0000 | 10/29/25 1148 | RAF |
| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| Pyridine | <10 | 10 | ug/L | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| Determination of Acid Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| Surrogate: 2-Fluorophenol | 73.5 | Limit: 16-140 | % Rec | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| Surrogate: Phenol-d6 | 74.3 | Limit: 13-147 | % Rec | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 110 | Limit: 20-158 | % Rec | | 10/21/25 0943 | 10/27/25 1554 | EPP |
| Determination of Carbonyl Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 8315A | | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | 10/17/25 1046 | 10/20/25 1251 | PDS |
| Metals Total by ICP | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | |
| Aluminum | <0.050 | 0.050 | mg/L | | 10/21/25 1518 | 10/24/25 0151 | JAR |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 410.4, Rv. 2 (1993) | | | | | | | |
| COD, total | <54 | 54 | mg/L | | 10/21/25 0826 | 10/21/25 1610 | KAC |
| EPA 420.1 | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | 10/28/25 0854 | 10/29/25 1427 | RDH |
| EPA 9020B | | | | | | | |
| Total Organic Halogens (TOX) | <0.010 | 0.010 | mg/L | | 10/29/25 0000 | 10/30/25 1443 | CSM |
| SM 2510 B-2011 | | | | | | | |
| Conductivity | 730 | 2.0 | uS/cm | | 10/21/25 1311 | 10/21/25 1557 | BSS |
| TIMBERLINE | | | | | | | |
| Nitrogen, Ammonia | 0.13 | 0.10 | mg/L | | 10/20/25 1444 | 10/21/25 1026 | BHF |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|---|
| Client Sample ID: Well #2 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 1:00 |
| Lab Sample ID: 11J1640-02 | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|--|--------|----|-------|------|----------|----------|---------|
|--|--------|----|-------|------|----------|----------|---------|

USGS I-1750-85

| | | | | | | | |
|------------------------------|-----|---|------|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 464 | 5 | mg/L | | 10/17/25 1408 | 10/20/25 0900 | LAW |
|------------------------------|-----|---|------|--|---------------|---------------|-----|

USGS I-3765-85

| | | | | | | | |
|------------------------------|----|---|------|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | 10/17/25 1405 | 10/20/25 0951 | LAW |
|------------------------------|----|---|------|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|----|-------|------|----------|----------|---------|
|-----------------------------------|--------|----|-------|------|----------|----------|---------|

300.0

| | | | | | | | |
|----------|-----|-----|------|--|--|---------------|-----|
| Fluoride | 0.9 | 0.1 | mg/L | | | 10/20/25 1202 | BMS |
|----------|-----|-----|------|--|--|---------------|-----|

| | | | | | | | |
|----------|------|-----|------|--|--|---------------|-----|
| Chloride | 12.4 | 1.0 | mg/L | | | 10/20/25 1202 | BMS |
|----------|------|-----|------|--|--|---------------|-----|

| Metals Total by AA | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|--------------------|--------|-----|----|-------|------|----------|----------|---------|
|--------------------|--------|-----|----|-------|------|----------|----------|---------|

SM 3112 B-2011

| | | | | | | | | |
|---------|----------|---------|---------|------|--|---------------|---------------|-----|
| Mercury | <0.00015 | 0.00015 | 0.00050 | mg/L | | 10/27/25 1536 | 10/28/25 1640 | JAR |
|---------|----------|---------|---------|------|--|---------------|---------------|-----|

| Metals Total by ICP | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|---------------------|--------|-----|----|-------|------|----------|----------|---------|
|---------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | |
|-------|--------|-------|-------|------|--|---------------|---------------|-----|
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0151 | JAR |
|-------|--------|-------|-------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|------|-------|-------|-------|------|--|---------------|---------------|-----|
| Iron | 0.191 | 0.047 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0151 | JAR |
|------|-------|-------|-------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|-----------|------|------|------|------|--|---------------|---------------|-----|
| Magnesium | 39.1 | 0.06 | 0.10 | mg/L | | 10/21/25 1518 | 10/24/25 0151 | JAR |
|-----------|------|------|------|------|--|---------------|---------------|-----|

| Metals Total by ICPMS | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------|--------|-----|----|-------|------|----------|----------|---------|
|-----------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|
| Antimony | <0.0003 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|---------|--------|--------|--------|------|---|---------------|---------------|-----|
| Arsenic | 0.0003 | 0.0002 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1846 | RVV |
|---------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|
| Barium | 0.0839 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|-----------|---------|--------|--------|------|--|---------------|---------------|-----|
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|-----------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|---------|----------|---------|--------|------|--|---------------|---------------|-----|
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|---------|----------|---------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|
| Chromium | 0.0004 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1846 | RVV |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|--------|---------|---------|--------|------|---|---------------|---------------|-----|
| Cobalt | 0.00007 | 0.00007 | 0.0002 | mg/L | J | 10/20/25 1620 | 10/21/25 1846 | RVV |
|--------|---------|---------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|
| Copper | 0.0052 | 0.0021 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|------|---------|--------|--------|------|--|---------------|---------------|-----|
| Lead | <0.0002 | 0.0002 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|-----------|--------|--------|--------|------|--|---------------|---------------|-----|
| Manganese | 0.0054 | 0.0002 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|-----------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|------------|---------|--------|--------|------|--|---------------|---------------|-----|
| Molybdenum | <0.0005 | 0.0005 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|------------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|---|---------------|---------------|-----|
| Nickel | 0.0008 | 0.0004 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1846 | RVV |
|--------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|
| Selenium | <0.0011 | 0.0011 | 0.0020 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|--------|---------|--------|--------|------|--|---------------|---------------|-----|
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|--------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|----------|---------|--------|------|--|---------------|---------------|-----|
| Thallium | <0.00007 | 0.00007 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|----------|----------|---------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|
| Vanadium | <0.0005 | 0.0005 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|----------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|------|---------|--------|--------|------|--|---------------|---------------|-----|
| Zinc | <0.0136 | 0.0136 | 0.0200 | mg/L | | 10/20/25 1620 | 10/21/25 1846 | RVV |
|------|---------|--------|--------|------|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 9056A

| | | | | | | | | |
|---------|-----|-----|-----|------|--|--|---------------|-----|
| Sulfate | 133 | 0.4 | 1.0 | mg/L | | | 10/20/25 1202 | BMS |
|---------|-----|-----|-----|------|--|--|---------------|-----|

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CERTIFICATE OF ANALYSIS

1IJ1640

Client Sample ID: Well #2
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1640-02

Collected By: Sherman Lundy
Collection Date: 10/15/2025 1:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #3 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 12:30 |
| Lab Sample ID: 11J1640-03 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|--------------|---------------|-------|------|---------------|---------------|---------|
| EPA 5030B/EPA 624.1 | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Surrogate: Dibromofluoromethane | 97.5 | Limit: 59-123 | % Rec | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 101 | Limit: 56-130 | % Rec | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Surrogate: Toluene-d8 | 107 | Limit: 85-113 | % Rec | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Surrogate: 4-Bromofluorobenzene | 91.0 | Limit: 82-112 | % Rec | | 10/29/25 0000 | 10/29/25 1211 | RAF |
| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| Pyridine | <10 | 10 | ug/L | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| Determination of Acid Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| Surrogate: 2-Fluorophenol | 76.0 | Limit: 16-140 | % Rec | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| Surrogate: Phenol-d6 | 76.3 | Limit: 13-147 | % Rec | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 107 | Limit: 20-158 | % Rec | | 10/21/25 0943 | 10/27/25 1619 | EPP |
| Determination of Carbonyl Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 8315A | | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | 10/17/25 1046 | 10/20/25 1311 | PDS |
| Metals Total by ICP | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | |
| Aluminum | <0.050 | 0.050 | mg/L | | 10/21/25 1518 | 10/24/25 0211 | JAR |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 410.4, Rv. 2 (1993) | | | | | | | |
| COD, total | <54 | 54 | mg/L | | 10/21/25 0826 | 10/21/25 1610 | KAC |
| EPA 420.1 | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | 10/28/25 0854 | 10/29/25 1427 | RDH |
| EPA 9020B | | | | | | | |
| Total Organic Halogens (TOX) | 0.021 | 0.010 | mg/L | | 10/29/25 0000 | 10/30/25 1443 | CSM |
| SM 2510 B-2011 | | | | | | | |
| Conductivity | 607 | 2.0 | uS/cm | | 10/21/25 1311 | 10/21/25 1557 | BSS |
| TIMBERLINE | | | | | | | |
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | 10/20/25 1447 | 10/21/25 1037 | BHF |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #3 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 12:30 |
| Lab Sample ID: 11J1640-03 | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
|--|----------|---------|---------|-------|---------------|---------------|---------------|---------|
| USGS I-1750-85 | | | | | | | | |
| Total Dissolved Solids (TDS) | 411 | 5 | mg/L | | 10/17/25 1408 | 10/20/25 0900 | LAW | |
| USGS I-3765-85 | | | | | | | | |
| Total Suspended Solids (TSS) | 16 | 1 | mg/L | | 10/17/25 1405 | 10/20/25 0951 | LAW | |
| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
| 300.0 | | | | | | | | |
| Fluoride | 0.6 | 0.1 | mg/L | | | 10/20/25 1224 | BMS | |
| Chloride | 20.7 | 1.0 | mg/L | | | 10/20/25 1224 | BMS | |
| Metals Total by AA | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| SM 3112 B-2011 | | | | | | | | |
| Mercury | <0.00015 | 0.00015 | 0.00050 | mg/L | | 10/27/25 1536 | 10/28/25 1642 | JAR |
| Metals Total by ICP | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | | |
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0211 | JAR |
| Iron | <0.047 | 0.047 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0211 | JAR |
| Magnesium | 28.6 | 0.06 | 0.10 | mg/L | | 10/21/25 1518 | 10/24/25 0211 | JAR |
| Metals Total by ICPMS | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.8, Rv. 5.4 (1994) | | | | | | | | |
| Antimony | <0.0003 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Arsenic | 0.0005 | 0.0002 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Barium | 0.0772 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Chromium | 0.0004 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Cobalt | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Copper | 0.0030 | 0.0021 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Lead | <0.0002 | 0.0002 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Manganese | 0.0024 | 0.0002 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Molybdenum | 0.0032 | 0.0005 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Nickel | 0.0012 | 0.0004 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Selenium | <0.0011 | 0.0011 | 0.0020 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Thallium | <0.00007 | 0.00007 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Vanadium | <0.0005 | 0.0005 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Zinc | <0.0136 | 0.0136 | 0.0200 | mg/L | | 10/20/25 1620 | 10/21/25 1848 | RVV |
| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 9056A | | | | | | | | |
| Sulfate | 104 | 0.4 | 1.0 | mg/L | | | 10/20/25 1224 | BMS |

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CERTIFICATE OF ANALYSIS

1IJ1640

Client Sample ID: Well #3
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1640-03

Collected By: Sherman Lundy
Collection Date: 10/15/2025 12:30



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #4 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 14:00 |
| Lab Sample ID: 11J1640-04 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|--------------|---------------|-------|------|---------------|---------------|---------|
| EPA 5030B/EPA 624.1 | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Surrogate: Dibromofluoromethane | 97.8 | Limit: 59-123 | % Rec | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 100 | Limit: 56-130 | % Rec | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Surrogate: Toluene-d8 | 106 | Limit: 85-113 | % Rec | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Surrogate: 4-Bromofluorobenzene | 92.4 | Limit: 82-112 | % Rec | | 10/29/25 0000 | 10/29/25 1233 | RAF |
| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| Pyridine | <10 | 10 | ug/L | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| Determination of Acid Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| Surrogate: 2-Fluorophenol | 96.0 | Limit: 16-140 | % Rec | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| Surrogate: Phenol-d6 | 104 | Limit: 13-147 | % Rec | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 116 | Limit: 20-158 | % Rec | | 10/21/25 0943 | 10/27/25 1644 | EPP |
| Determination of Carbonyl Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 8315A | | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | 10/17/25 1046 | 10/20/25 1332 | PDS |
| Metals Total by ICP | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | |
| Aluminum | <0.050 | 0.050 | mg/L | | 10/21/25 1518 | 10/24/25 0217 | JAR |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 410.4, Rv. 2 (1993) | | | | | | | |
| COD, total | <54 | 54 | mg/L | | 10/21/25 0826 | 10/21/25 1610 | KAC |
| EPA 420.1 | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | 10/28/25 0854 | 10/29/25 1427 | RDH |
| EPA 9020B | | | | | | | |
| Total Organic Halogens (TOX) | 0.084 | 0.010 | mg/L | | 10/29/25 0000 | 10/30/25 1443 | CSM |
| SM 2510 B-2011 | | | | | | | |
| Conductivity | 650 | 2.0 | uS/cm | | 10/21/25 1311 | 10/21/25 1557 | BSS |
| TIMBERLINE | | | | | | | |
| Nitrogen, Ammonia | <0.10 | 0.10 | mg/L | | 10/20/25 1447 | 10/21/25 1039 | BHF |



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CERTIFICATE OF ANALYSIS

11J1640

| | |
|----------------------------------|--|
| Client Sample ID: Well #4 | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 14:00 |
| Lab Sample ID: 11J1640-04 | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|--|--------|----|-------|------|----------|----------|---------|
|--|--------|----|-------|------|----------|----------|---------|

USGS I-1750-85

| | | | | | | | |
|------------------------------|-----|---|------|--|---------------|---------------|-----|
| Total Dissolved Solids (TDS) | 385 | 5 | mg/L | | 10/17/25 1408 | 10/20/25 0900 | LAW |
|------------------------------|-----|---|------|--|---------------|---------------|-----|

USGS I-3765-85

| | | | | | | | |
|------------------------------|----|---|------|--|---------------|---------------|-----|
| Total Suspended Solids (TSS) | 11 | 1 | mg/L | | 10/17/25 1405 | 10/20/25 0951 | LAW |
|------------------------------|----|---|------|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|----|-------|------|----------|----------|---------|
|-----------------------------------|--------|----|-------|------|----------|----------|---------|

300.0

| | | | | | | | |
|----------|-----|-----|------|--|--|---------------|-----|
| Fluoride | 0.2 | 0.1 | mg/L | | | 10/20/25 1247 | BMS |
|----------|-----|-----|------|--|--|---------------|-----|

| | | | | | | | |
|----------|------|-----|------|--|--|---------------|-----|
| Chloride | 23.8 | 1.0 | mg/L | | | 10/20/25 1247 | BMS |
|----------|------|-----|------|--|--|---------------|-----|

| Metals Total by AA | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|--------------------|--------|-----|----|-------|------|----------|----------|---------|
|--------------------|--------|-----|----|-------|------|----------|----------|---------|

SM 3112 B-2011

| | | | | | | | | |
|---------|----------|---------|---------|------|--|---------------|---------------|-----|
| Mercury | <0.00015 | 0.00015 | 0.00050 | mg/L | | 10/27/25 1536 | 10/28/25 1645 | JAR |
|---------|----------|---------|---------|------|--|---------------|---------------|-----|

| Metals Total by ICP | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|---------------------|--------|-----|----|-------|------|----------|----------|---------|
|---------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | |
|-------|--------|-------|-------|------|--|---------------|---------------|-----|
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0217 | JAR |
|-------|--------|-------|-------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|------|--------|-------|-------|------|--|---------------|---------------|-----|
| Iron | <0.047 | 0.047 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0217 | JAR |
|------|--------|-------|-------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|-----------|------|------|------|------|--|---------------|---------------|-----|
| Magnesium | 21.5 | 0.06 | 0.10 | mg/L | | 10/21/25 1518 | 10/24/25 0217 | JAR |
|-----------|------|------|------|------|--|---------------|---------------|-----|

| Metals Total by ICPMS | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------|--------|-----|----|-------|------|----------|----------|---------|
|-----------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 200.8, Rv. 5.4 (1994)

| | | | | | | | | |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|
| Antimony | 0.0003 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|---------|--------|--------|--------|------|--|---------------|---------------|-----|
| Arsenic | 0.0022 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|---------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|
| Barium | 0.0788 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|-----------|---------|--------|--------|------|--|---------------|---------------|-----|
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|-----------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|---------|----------|---------|--------|------|--|---------------|---------------|-----|
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|---------|----------|---------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|
| Chromium | 0.0005 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|--------|---------|---------|--------|------|---|---------------|---------------|-----|
| Cobalt | 0.00009 | 0.00007 | 0.0002 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|--------|---------|---------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|---|---------------|---------------|-----|
| Copper | 0.0029 | 0.0021 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|--------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|------|--------|--------|--------|------|---|---------------|---------------|-----|
| Lead | 0.0002 | 0.0002 | 0.0005 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|-----------|--------|--------|--------|------|---|---------------|---------------|-----|
| Manganese | 0.0031 | 0.0002 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|-----------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|------------|--------|--------|--------|------|--|---------------|---------------|-----|
| Molybdenum | 0.0033 | 0.0005 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|------------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|
| Nickel | 0.0018 | 0.0004 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|--------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|--------|--------|--------|------|--|---------------|---------------|-----|
| Selenium | 0.0039 | 0.0011 | 0.0020 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|----------|--------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|--------|---------|--------|--------|------|--|---------------|---------------|-----|
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|--------|---------|--------|--------|------|--|---------------|---------------|-----|

| | | | | | | | | |
|----------|--------|---------|--------|------|---|---------------|---------------|-----|
| Thallium | 0.0001 | 0.00007 | 0.0005 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|----------|--------|---------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|
| Vanadium | 0.0018 | 0.0005 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1851 | RVV |
|----------|--------|--------|--------|------|---|---------------|---------------|-----|

| | | | | | | | | |
|------|---------|--------|--------|------|--|---------------|---------------|-----|
| Zinc | <0.0136 | 0.0136 | 0.0200 | mg/L | | 10/20/25 1620 | 10/21/25 1851 | RVV |
|------|---------|--------|--------|------|--|---------------|---------------|-----|

| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
|-----------------------------------|--------|-----|----|-------|------|----------|----------|---------|
|-----------------------------------|--------|-----|----|-------|------|----------|----------|---------|

EPA 9056A

| | | | | | | | | |
|---------|-----|-----|-----|------|--|--|---------------|-----|
| Sulfate | 111 | 0.4 | 1.0 | mg/L | | | 10/20/25 1247 | BMS |
|---------|-----|-----|-----|------|--|--|---------------|-----|

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CERTIFICATE OF ANALYSIS

1IJ1640

Client Sample ID: Well #4
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1640-04

Collected By: Sherman Lundy
Collection Date: 10/15/2025 14:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| | |
|--|--|
| Client Sample ID: Upgradient Well | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 14:30 |
| Lab Sample ID: 11J1640-05 | |

| Determination of Volatile Organic Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
|---|--------|---------------|-------|------|---------------|---------------|---------|
| EPA 5030B/EPA 624.1 | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Chloroform | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Benzene | <1.0 | 1.0 | ug/L | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Surrogate: Dibromofluoromethane | 101 | Limit: 59-123 | % Rec | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Surrogate: 1,2-Dichloroethane-d4 | 102 | Limit: 56-130 | % Rec | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Surrogate: Toluene-d8 | 106 | Limit: 85-113 | % Rec | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Surrogate: 4-Bromofluorobenzene | 90.4 | Limit: 82-112 | % Rec | | 10/29/25 0000 | 10/29/25 1256 | RAF |
| Determination of Base/Neutral Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| Pyridine | <10 | 10 | ug/L | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| Determination of Acid Extractable Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 625.1 | | | | | | | |
| 2-Methylphenol (o-Cresol) | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| (3 & 4)-Methylphenol | <10.0 | 10.0 | ug/L | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| Surrogate: 2-Fluorophenol | 87.3 | Limit: 16-140 | % Rec | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| Surrogate: Phenol-d6 | 89.5 | Limit: 13-147 | % Rec | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| Surrogate: 2,4,6-Tribromophenol | 102 | Limit: 20-158 | % Rec | | 10/21/25 0943 | 10/27/25 1709 | EPP |
| Determination of Carbonyl Compounds | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 8315A | | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | 10/17/25 1046 | 10/20/25 1352 | PDS |
| Metals Total by ICP | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | |
| Aluminum | <0.050 | 0.050 | mg/L | | 10/21/25 1518 | 10/24/25 0223 | JAR |
| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 410.4, Rv. 2 (1993) | | | | | | | |
| COD, total | <54 | 54 | mg/L | | 10/21/25 0826 | 10/21/25 1610 | KAC |
| EPA 420.1 | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | 10/28/25 0854 | 10/29/25 1427 | RDH |
| EPA 9020B | | | | | | | |
| Total Organic Halogens (TOX) | <0.010 | 0.010 | mg/L | | 10/29/25 0000 | 10/30/25 1443 | CSM |
| SM 2510 B-2011 | | | | | | | |
| Conductivity | 712 | 2.0 | uS/cm | | 10/21/25 1311 | 10/21/25 1557 | BSS |
| TIMBERLINE | | | | | | | |
| Nitrogen, Ammonia | 0.62 | 0.10 | mg/L | | 10/20/25 1447 | 10/21/25 1040 | BHF |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1640

| | |
|--|--|
| Client Sample ID: Upgradient Well | Collected By: Sherman Lundy |
| Sample Matrix: Aqueous | Collection Date: 10/15/2025 14:30 |
| Lab Sample ID: 1IJ1640-05 | |

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
|--|----------|---------|---------|-------|---------------|---------------|---------------|---------|
| USGS I-1750-85 | | | | | | | | |
| Total Dissolved Solids (TDS) | 420 | 5 | mg/L | | 10/17/25 1408 | 10/20/25 0900 | LAW | |
| USGS I-3765-85 | | | | | | | | |
| Total Suspended Solids (TSS) | <1 | 1 | mg/L | | 10/17/25 1405 | 10/20/25 0951 | LAW | |
| Determination of Inorganic Anions | Result | RL | Units | Note | Prepared | Analyzed | Analyst | |
| 300.0 | | | | | | | | |
| Fluoride | 0.3 | 0.1 | mg/L | | | 10/20/25 1309 | BMS | |
| Chloride | 34.0 | 1.0 | mg/L | | | 10/20/25 1309 | BMS | |
| Metals Total by AA | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| SM 3112 B-2011 | | | | | | | | |
| Mercury | <0.00015 | 0.00015 | 0.00050 | mg/L | | 10/27/25 1536 | 10/28/25 1647 | JAR |
| Metals Total by ICP | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.7, Rv. 4.4 (1994) | | | | | | | | |
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0223 | JAR |
| Iron | <0.047 | 0.047 | 0.100 | mg/L | | 10/21/25 1518 | 10/24/25 0223 | JAR |
| Magnesium | 21.7 | 0.06 | 0.10 | mg/L | | 10/21/25 1518 | 10/24/25 0223 | JAR |
| Metals Total by ICPMS | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 200.8, Rv. 5.4 (1994) | | | | | | | | |
| Antimony | 0.0013 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Arsenic | 0.0003 | 0.0002 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Barium | 0.160 | 0.0003 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Chromium | 0.0007 | 0.0003 | 0.0010 | mg/L | J | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Cobalt | 0.00009 | 0.00007 | 0.0002 | mg/L | J | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Copper | 0.0098 | 0.0021 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Lead | 0.0006 | 0.0002 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Manganese | 0.0022 | 0.0002 | 0.0050 | mg/L | J | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Molybdenum | 0.0026 | 0.0005 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Nickel | 0.0011 | 0.0004 | 0.0010 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Selenium | 0.0012 | 0.0011 | 0.0020 | mg/L | J | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Thallium | <0.00007 | 0.00007 | 0.0005 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Vanadium | <0.0005 | 0.0005 | 0.0050 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Zinc | 0.112 | 0.0136 | 0.0200 | mg/L | | 10/20/25 1620 | 10/21/25 1858 | RVV |
| Determination of Inorganic Anions | Result | MDL | RL | Units | Note | Prepared | Analyzed | Analyst |
| EPA 9056A | | | | | | | | |
| Sulfate | 58.6 | 0.4 | 1.0 | mg/L | | | 10/20/25 1309 | BMS |

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CERTIFICATE OF ANALYSIS

1IJ1640



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1640

Batch Log Summary

| Method | Batch | Laboratory ID | Client / Source ID |
|---------------------------|---------|---------------|--------------------|
| EPA 8315A | 1IJ1052 | 1IJ1052-BS1 | |
| | | 1IJ1052-BLK1 | |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1052-MS1 | 1IJ1513-01 |
| | | 1IJ1052-MSD1 | 1IJ1513-01 |
| | | 1IJ1052-MSD1 | 1IJ1513-01 |
| USGS I-3765-85 | 1IJ1073 | 1IJ1640-02 | Well #2 |
| | | 1IJ1073-BLK1 | |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1073-DUP1 | 1IJ1621-01 |
| | | 1IJ1073-BS1 | |
| | | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-03 | Well #3 |
| USGS I-1750-85 | 1IJ1074 | 1IJ1074-BS1 | |
| | | 1IJ1074-DUP1 | 1IJ1640-01 |
| | | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1074-BLK1 | |
| | | 1IJ1074-BLK1 | |
| TIMBERLINE | 1IJ1150 | 1IJ1150-BLK1 | |
| | | 1IJ1150-BS1 | |
| | | 1IJ1150-MS1 | 1IJ1591-01 |
| | | 1IJ1150-MSD1 | 1IJ1591-01 |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-02 | Well #2 |
| TIMBERLINE | 1IJ1151 | 1IJ1151-BLK1 | |
| | | 1IJ1151-BS1 | |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1151-MS1 | 1IJ1640-03 |
| EPA 200.8, Rv. 5.4 (1994) | 1IJ1173 | 1IJ1173-BLK1 | |
| | | 1IJ1173-MS1 | 1IJ1565-02 |
| | | 1IJ1173-MSD1 | 1IJ1565-02 |
| | | 1IJ1173-PS1 | 1IJ1565-02 |
| | | 1IJ1173-PS1 | 1IJ1565-02 |
| | | 1IJ1640-01 | Well #1 |



Microbac Laboratories, Inc., Newton

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| Method | Batch | Laboratory ID | Client / Source ID |
|---------------------------|---------|---------------|--------------------|
| EPA 200.8, Rv. 5.4 (1994) | 11J1173 | 11J1640-02 | Well #2 |
| | | 11J1640-03 | Well #3 |
| | | 11J1640-04 | Well #4 |
| | | 11J1640-05 | Upgradient Well |
| | | 11J1173-BS1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| 300.0 | 11J1177 | 11J1177-BLK1 | |
| EPA 9056A | | 11J1177-BLK1 | |
| | | 11J1177-BS1 | |
| 300.0 | | 11J1177-BS1 | |
| EPA 9056A | | 11J1177-BSD1 | |
| 300.0 | | 11J1177-BSD1 | |
| EPA 9056A | | 11J1640-01 | Well #1 |
| 300.0 | | 11J1640-01 | Well #1 |
| EPA 9056A | | 11J1640-02 | Well #2 |
| 300.0 | | 11J1640-02 | Well #2 |
| | | 11J1640-03 | Well #3 |
| EPA 9056A | | 11J1640-03 | Well #3 |
| 300.0 | | 11J1640-04 | Well #4 |
| EPA 9056A | | 11J1640-04 | Well #4 |
| 300.0 | | 11J1640-05 | Upgradient Well |
| EPA 9056A | | 11J1640-05 | Upgradient Well |
| | | 11J1177-MS1 | 11J1658-01 |
| 300.0 | | 11J1177-MS1 | 11J1658-01 |
| EPA 9056A | | 11J1177-MSD1 | 11J1658-01 |
| 300.0 | | 11J1177-MSD1 | 11J1658-01 |
| EPA 9056A | | 11J1177-BLK2 | |
| 300.0 | | 11J1177-BLK2 | |
| | | 11J1177-BS2 | |
| EPA 9056A | | 11J1177-BS2 | |
| | | 11J1177-BSD2 | |
| 300.0 | | 11J1177-BSD2 | |
| EPA 9056A | | 11J1177-MS2 | 11J1757-03 |
| 300.0 | | 11J1177-MS2 | 11J1757-03 |
| | | 11J1177-MSD2 | 11J1757-03 |
| EPA 9056A | | 11J1177-MSD2 | 11J1757-03 |

| Method | Batch | Laboratory ID | Client / Source ID |
|-------------------------|---------|---------------|--------------------|
| EPA 410.4, Rv. 2 (1993) | 11J1185 | 11J1640-03 | Well #3 |
| | | 11J1640-05 | Upgradient Well |
| | | 11J1185-MSD1 | 31J0078-01 |
| | | 11J1185-MS1 | 31J0078-01 |
| | | 11J1185-BS1 | |
| | | 11J1640-02 | Well #2 |
| | | 11J1185-BLK1 | |
| | | 11J1640-04 | Well #4 |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 625.1 | 11J1187 | 11J1187-BLK1 | |
| | | 11J1187-BLK1 | |
| | | 11J1187-BS1 | |
| | | 11J1187-BS1 | |



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CERTIFICATE OF ANALYSIS

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| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 625.1 | 1IJ1187 | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1640-05 | Upgradient Well |

| Method | Batch | Laboratory ID | Client / Source ID |
|-------------------------|---------|---------------|--------------------|
| EPA 410.4, Rv. 2 (1993) | 1IJ1207 | 1IJ1207-BLK1 | |
| | | 1IJ1207-BS1 | |
| | | 1IJ1207-MS1 | 1IJ1640-01 |
| | | 1IJ1207-MSD1 | 1IJ1640-01 |
| | | 1IJ1640-01 | Well #1 |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| SM 2510 B-2011 | 1IJ1216 | 1IJ1640-05 | Upgradient Well |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1216-SRM1 | |
| | | 1IJ1216-DUP1 | 1IJ1640-01 |

| Method | Batch | Laboratory ID | Client / Source ID |
|---------------------------|---------|---------------|--------------------|
| EPA 200.7, Rv. 4.4 (1994) | 1IJ1227 | 1IJ1227-BLK1 | |
| | | 1IJ1227-BS1 | |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1227-MS1 | 1IJ1640-01 |
| | | 1IJ1227-MSD1 | 1IJ1640-01 |
| | | 1IJ1227-PS1 | 1IJ1640-01 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-05 | Upgradient Well |

| Method | Batch | Laboratory ID | Client / Source ID |
|----------------|---------|---------------|--------------------|
| SM 3112 B-2011 | 1IJ1552 | 1IJ1552-BLK1 | |
| | | 1IJ1552-BS1 | |
| | | 1IJ1552-MS1 | 1IJ1317-01 |
| | | 1IJ1552-MSD1 | 1IJ1317-01 |
| | | 1IJ1640-01 | Well #1 |
| | | 1IJ1640-02 | Well #2 |
| | | 1IJ1640-03 | Well #3 |
| | | 1IJ1640-04 | Well #4 |
| | | 1IJ1640-05 | Upgradient Well |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 420.1 | 1IJ1579 | 1IJ1640-03 | Well #3 |
| | | 1IJ1579-BS1 | |
| | | 1IJ1640-04 | Well #4 |



Microbac Laboratories, Inc., Newton

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11J1640

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 420.1 | 11J1579 | 11J1640-02 | Well #2 |
| | | 11J1640-01 | Well #1 |
| | | 11J1640-05 | Upgradient Well |
| | | 11J1579-MS1 | 11J1640-01 |
| | | 11J1579-MSD1 | 11J1640-01 |
| | | 11J1579-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 624.1 | 11J1715 | 11J1715-BS1 | |
| | | 11J1715-BLK1 | |
| | | 11J1640-02 | Well #2 |
| | | 11J1640-03 | Well #3 |
| | | 11J1640-04 | Well #4 |
| | | 11J1640-05 | Upgradient Well |
| | | 11J1715-MS1 | 11J2193-01 |
| | | 11J1715-MSD1 | 11J2193-01 |
| | | | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 9020B | 11J1738 | 11J1738-MS1 | 11J1640-04 |
| | | 11J1640-04 | Well #4 |
| | | 11J1738-BS1 | |
| | | 11J1640-03 | Well #3 |
| | | 11J1738-MSD1 | 11J1640-04 |
| | | 11J1640-05 | Upgradient Well |
| | | 11J1640-01 | Well #1 |
| | | 11J1640-02 | Well #2 |
| | | 11J1738-BLK1 | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 624.1 | 11J1790 | 11J1790-BS1 | |
| | | 11J1790-BSD1 | |
| | | 11J1790-BLK1 | |
| | | 11J1640-01RE1 | Well #1 |
| | | 11J1790-MS1 | 11J2324-01 |
| | | 11J1790-MSD1 | 11J2324-01 |
| | | | |

| Method | Batch | Laboratory ID | Client / Source ID |
|-----------|---------|---------------|--------------------|
| EPA 624.1 | 11J1856 | 11J1856-BS1 | |
| | | 11J1856-BSD1 | |
| | | 11J1856-BLK1 | |
| | | 11J1640-01RE1 | Well #1 |
| | | 11J1856-MS1 | 11J1787-01 |
| | | 11J1856-MSD1 | 11J1787-01 |

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11J1715 - EPA 5030B - EPA 624.1

Blank (11J1715-BLK1)

Prepared: 10/29/25 00:00 Analyzed: 10/29/25 11:02

| | | | | | | | | | | |
|------------------|-------|------|------|--|--|--|--|--|--|--|
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1640

| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 11J1715 - EPA 5030B - EPA 624.1 | | | | | | | | | | |
| Blank (11J1715-BLK1) | | | | | | | | | | |
| Prepared: 10/29/25 00:00 Analyzed: 10/29/25 11:02 | | | | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 50.3 | | ug/L | 50.2 | | 100 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.2 | | ug/L | 50.4 | | 102 | 56-130 | | | |
| Surrogate: Toluene-d8 | 52.5 | | ug/L | 50.5 | | 104 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 46.4 | | ug/L | 50.2 | | 92.5 | 82-112 | | | |
| LCS (11J1715-BS1) | | | | | | | | | | |
| Prepared: 10/29/25 00:00 Analyzed: 10/29/25 10:16 | | | | | | | | | | |
| 2-Butanone (MEK) | 98.53 | 10.0 | ug/L | 100 | | 98.5 | 44-134 | | | |
| Chloroform | 49.18 | 1.0 | ug/L | 50.1 | | 98.2 | 70-135 | | | |
| Benzene | 47.59 | 1.0 | ug/L | 50.4 | | 94.4 | 65-135 | | | |
| Surrogate: Dibromofluoromethane | 51.8 | | ug/L | 50.2 | | 103 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.0 | | ug/L | 50.4 | | 103 | 56-130 | | | |
| Surrogate: Toluene-d8 | 53.7 | | ug/L | 50.5 | | 106 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 51.2 | | ug/L | 50.2 | | 102 | 82-112 | | | |
| Matrix Spike (11J1715-MS1) | | | | | | | | | | |
| Source: 11J2193-01 Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:02 | | | | | | | | | | |
| 2-Butanone (MEK) | 1214 | 100 | ug/L | 1000 | ND | 121 | 57-133 | | | |
| Chloroform | 625.7 | 10.0 | ug/L | 501 | ND | 125 | 51-138 | | | |
| Benzene | 488.1 | 10.0 | ug/L | 504 | ND | 96.8 | 37-151 | | | |
| Surrogate: Dibromofluoromethane | 586 | | ug/L | 502 | | 117 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 396 | | ug/L | 504 | | 78.6 | 56-130 | | | |
| Surrogate: Toluene-d8 | 532 | | ug/L | 505 | | 105 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 523 | | ug/L | 502 | | 104 | 82-112 | | | |
| Matrix Spike Dup (11J1715-MSD1) | | | | | | | | | | |
| Source: 11J2193-01 Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:25 | | | | | | | | | | |
| 2-Butanone (MEK) | 1043 | 100 | ug/L | 1000 | ND | 104 | 57-133 | 15.2 | 30 | |
| Chloroform | 492.2 | 10.0 | ug/L | 501 | ND | 98.3 | 51-138 | 23.9 | 54 | |
| Benzene | 460.1 | 10.0 | ug/L | 504 | ND | 91.2 | 37-151 | 5.91 | 61 | |
| Surrogate: Dibromofluoromethane | 508 | | ug/L | 502 | | 101 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 523 | | ug/L | 504 | | 104 | 56-130 | | | |
| Surrogate: Toluene-d8 | 531 | | ug/L | 505 | | 105 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 401 | | ug/L | 502 | | 79.9 | 82-112 | | | S2 |
| Batch 11J1790 - EPA 5030B - EPA 624.1 | | | | | | | | | | |
| Blank (11J1790-BLK1) | | | | | | | | | | |
| Prepared: 10/30/25 00:00 Analyzed: 10/30/25 12:14 | | | | | | | | | | |
| Chloroform | <1.0 | 1.0 | ug/L | | | | | | | |
| Benzene | <1.0 | 1.0 | ug/L | | | | | | | |
| Surrogate: Dibromofluoromethane | 50.7 | | ug/L | 50.2 | | 101 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.7 | | ug/L | 50.4 | | 103 | 56-130 | | | |
| Surrogate: Toluene-d8 | 52.9 | | ug/L | 50.5 | | 105 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 46.0 | | ug/L | 50.2 | | 91.6 | 82-112 | | | |
| LCS (11J1790-BS1) | | | | | | | | | | |
| Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:06 | | | | | | | | | | |



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

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| Determination of Volatile Organic Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 11J1790 - EPA 5030B - EPA 624.1 | | | | | | | | | | |
| LCS (11J1790-BS1) Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:06 | | | | | | | | | | |
| Chloroform | 41.44 | 1.0 | ug/L | 50.1 | | 82.7 | 70-135 | | | |
| Benzene | 43.88 | 1.0 | ug/L | 50.4 | | 87.0 | 65-135 | | | |
| Surrogate: Dibromofluoromethane | 45.3 | | ug/L | 50.2 | | 90.2 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 40.2 | | ug/L | 50.4 | | 79.8 | 56-130 | | | |
| Surrogate: Toluene-d8 | 49.0 | | ug/L | 50.5 | | 97.1 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.3 | | ug/L | 50.2 | | 96.3 | 82-112 | | | |
| LCS Dup (11J1790-BSD1) Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:29 | | | | | | | | | | |
| Chloroform | 49.32 | 1.0 | ug/L | 50.1 | | 98.5 | 70-135 | 17.4 | 17 | R1 |
| Benzene | 46.99 | 1.0 | ug/L | 50.4 | | 93.2 | 65-135 | 6.84 | 17 | |
| Surrogate: Dibromofluoromethane | 50.5 | | ug/L | 50.2 | | 101 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.9 | | ug/L | 50.4 | | 103 | 56-130 | | | |
| Surrogate: Toluene-d8 | 53.6 | | ug/L | 50.5 | | 106 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 51.7 | | ug/L | 50.2 | | 103 | 82-112 | | | |
| Matrix Spike (11J1790-MS1) Source: 11J2324-01 Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:15 | | | | | | | | | | |
| Chloroform | 428.5 | 10.0 | ug/L | 501 | ND | 85.6 | 51-138 | | | |
| Benzene | 435.1 | 10.0 | ug/L | 504 | ND | 86.3 | 37-151 | | | |
| Surrogate: Dibromofluoromethane | 466 | | ug/L | 502 | | 92.7 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 414 | | ug/L | 504 | | 82.2 | 56-130 | | | |
| Surrogate: Toluene-d8 | 494 | | ug/L | 505 | | 97.8 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 495 | | ug/L | 502 | | 98.7 | 82-112 | | | |
| Matrix Spike Dup (11J1790-MSD1) Source: 11J2324-01 Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:38 | | | | | | | | | | |
| Chloroform | 405.2 | 10.0 | ug/L | 501 | ND | 80.9 | 51-138 | 5.59 | 54 | |
| Benzene | 413.4 | 10.0 | ug/L | 504 | ND | 82.0 | 37-151 | 5.11 | 61 | |
| Surrogate: Dibromofluoromethane | 468 | | ug/L | 502 | | 93.2 | 59-123 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 416 | | ug/L | 504 | | 82.6 | 56-130 | | | |
| Surrogate: Toluene-d8 | 493 | | ug/L | 505 | | 97.6 | 85-113 | | | |
| Surrogate: 4-Bromofluorobenzene | 486 | | ug/L | 502 | | 97.0 | 82-112 | | | |
| Batch 11J1856 - EPA 5030B - EPA 624.1 | | | | | | | | | | |
| Blank (11J1856-BLK1) Prepared: 10/31/25 00:00 Analyzed: 10/31/25 10:48 | | | | | | | | | | |
| 2-Butanone (MEK) | <10.0 | 10.0 | ug/L | | | | | | | |
| LCS (11J1856-BS1) Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:33 | | | | | | | | | | |
| 2-Butanone (MEK) | 82.75 | 10.0 | ug/L | 100 | | 82.8 | 44-134 | | | |
| LCS Dup (11J1856-BSD1) Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:58 | | | | | | | | | | |
| 2-Butanone (MEK) | 87.74 | 10.0 | ug/L | 100 | | 87.7 | 44-134 | 5.85 | 30 | |
| Matrix Spike (11J1856-MS1) Source: 11J1787-01 Prepared: 10/31/25 00:00 Analyzed: 10/31/25 17:07 | | | | | | | | | | |
| 2-Butanone (MEK) | 823.4 | 100 | ug/L | 1000 | ND | 82.3 | 57-133 | | | |
| Matrix Spike Dup (11J1856-MSD1) Source: 11J1787-01 Prepared: 10/31/25 00:00 Analyzed: 10/31/25 17:32 | | | | | | | | | | |
| 2-Butanone (MEK) | 811.6 | 100 | ug/L | 1000 | ND | 81.2 | 57-133 | 1.44 | 30 | |

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| Determination of Volatile Organic Compounds | | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
|--|--|----------|---------|---------|-------------|---------------|---------------|-------------|-------------|-----------|-----------|-------|
| Metals Total by AA | | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 11J1552 - EPA 7470A Hg Water - SM 3112 B-2011 | | | | | | | | | | | | |
| Blank (11J1552-BLK1) Prepared: 10/27/25 15:36 Analyzed: 10/28/25 16:06 | | | | | | | | | | | | |
| Mercury | | <0.00015 | 0.00015 | 0.00050 | mg/L | | | | | | | |
| LCS (11J1552-BS1) Prepared: 10/27/25 15:36 Analyzed: 10/28/25 16:08 | | | | | | | | | | | | |
| Mercury | | 0.00240 | 0.00015 | 0.00050 | mg/L | 0.00250 | 96.1 | 83-118 | | | | |
| Matrix Spike (11J1552-MS1) Source: 11J1317-01 Prepared: 10/27/25 15:36 Analyzed: 10/28/25 16:13 | | | | | | | | | | | | |
| Mercury | | 0.00425 | 0.00059 | 0.00200 | mg/L | 0.00250 | 0.00118 | 123 | 74-124 | | | |
| Matrix Spike Dup (11J1552-MSD1) Source: 11J1317-01 Prepared: 10/27/25 15:36 Analyzed: 10/28/25 16:15 | | | | | | | | | | | | |
| Mercury | | 0.00450 | 0.00059 | 0.00200 | mg/L | 0.00250 | 0.00118 | 133 | 74-124 | 5.60 | 14 | M1 |
| Determination of Base/Neutral Extractable Compounds | | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
| Batch 11J1187 - EPA 625 BNA - EPA 625.1 | | | | | | | | | | | | |
| Blank (11J1187-BLK1) Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:14 | | | | | | | | | | | | |
| Pyridine | | <10 | | 10 | ug/L | | | | | | | |
| LCS (11J1187-BS1) Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:39 | | | | | | | | | | | | |
| Pyridine | | <10 | | 10 | ug/L | 12.0 | 14.5 | 13-127 | | | | |
| Determination of Acid Extractable Compounds | | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
| Batch 11J1187 - EPA 625 BNA - EPA 625.1 | | | | | | | | | | | | |
| Blank (11J1187-BLK1) Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:14 | | | | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | | <10.0 | | 10.0 | ug/L | | | | | | | |
| (3 & 4)-Methylphenol | | <10.0 | | 10.0 | ug/L | | | | | | | |
| Surrogate: 2-Fluorophenol | | ND | | | ug/L | 20.2 | 30.9 | 16-140 | | | | |
| Surrogate: Phenol-d6 | | ND | | | ug/L | 19.8 | 36.8 | 13-147 | | | | |
| Surrogate: 2,4,6-Tribromophenol | | 12.0 | | | ug/L | 20.5 | 58.4 | 20-158 | | | | |
| LCS (11J1187-BS1) Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:39 | | | | | | | | | | | | |
| 2-Methylphenol (o-Cresol) | | <10.0 | | 10.0 | ug/L | 12.0 | 59.0 | 35-117 | | | | |
| (3 & 4)-Methylphenol | | <10.0 | | 10.0 | ug/L | 12.0 | 42.8 | 37-114 | | | | |
| Surrogate: 2-Fluorophenol | | 6.63 | | | ug/L | 20.2 | 32.8 | 16-140 | | | | |
| Surrogate: Phenol-d6 | | 8.57 | | | ug/L | 19.8 | 43.3 | 13-147 | | | | |
| Surrogate: 2,4,6-Tribromophenol | | 15.9 | | | ug/L | 20.5 | 77.7 | 20-158 | | | | |
| Determination of Carbonyl Compounds | | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |



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| Determination of Carbonyl Compounds | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-------------------------------------|--------|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11J1052 - EPA 8315 Aldehydes - EPA 8315A

| | | | | | | | | | | |
|--|-------|------|------|--|----|------|--------|-------|----|--|
| Blank (11J1052-BLK1) | | | | Prepared: 10/17/25 10:46 Analyzed: 10/20/25 11:29 | | | | | | |
| Formaldehyde | <20.0 | 20.0 | ug/L | | | | | | | |
| LCS (11J1052-BS1) | | | | Prepared: 10/17/25 10:46 Analyzed: 10/20/25 11:09 | | | | | | |
| Formaldehyde | 458.9 | 20.0 | ug/L | 501 | | 91.6 | 71-111 | | | |
| Matrix Spike (11J1052-MS1) | | | | Source: 11J1513-01 Prepared: 10/17/25 10:46 Analyzed: 10/20/25 14:13 | | | | | | |
| Formaldehyde | 457.1 | 20.0 | ug/L | 501 | ND | 91.2 | 64-115 | | | |
| Matrix Spike Dup (11J1052-MSD1) | | | | Source: 11J1513-01 Prepared: 10/17/25 10:46 Analyzed: 10/20/25 14:33 | | | | | | |
| Formaldehyde | 455.7 | 20.0 | ug/L | 501 | ND | 91.0 | 64-115 | 0.307 | 21 | |

| Metals Total by ICP | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11J1227 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994)

| | | | | | | | | | | | |
|--|--------|-------|-------|--|-------|----------|------|--------|------|----|----|
| Blank (11J1227-BLK1) | | | | Prepared: 10/21/25 15:18 Analyzed: 10/23/25 07:59 | | | | | | | |
| Aluminum | <0.050 | | 0.050 | mg/L | | | | | | | |
| Boron | <0.056 | 0.056 | 0.100 | mg/L | | | | | | | |
| Iron | <0.047 | 0.047 | 0.100 | mg/L | | | | | | | |
| Magnesium | <0.06 | 0.06 | 0.10 | mg/L | | | | | | | |
| LCS (11J1227-BS1) | | | | Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:05 | | | | | | | |
| Aluminum | 2.23 | | 0.050 | mg/L | 2.20 | | 101 | 85-115 | | | |
| Boron | 0.206 | 0.056 | 0.100 | mg/L | 0.200 | | 103 | 85-115 | | | |
| Iron | 2.43 | 0.047 | 0.100 | mg/L | 2.21 | | 110 | 85-115 | | | |
| Magnesium | 2.25 | 0.06 | 0.10 | mg/L | 2.20 | | 102 | 85-115 | | | |
| Matrix Spike (11J1227-MS1) | | | | Source: 11J1640-01 Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:16 | | | | | | | |
| Aluminum | 2.34 | | 0.050 | mg/L | 2.20 | ND | 106 | 70-130 | | | |
| Boron | 0.259 | 0.056 | 0.100 | mg/L | 0.200 | ND | 130 | 70-130 | | | |
| Iron | 2.60 | 0.047 | 0.100 | mg/L | 2.21 | 0.127 | 112 | 70-130 | | | |
| Magnesium | 36.2 | 0.06 | 0.10 | mg/L | 2.20 | 35.5 | 35.4 | 70-130 | | | M6 |
| Matrix Spike Dup (11J1227-MSD1) | | | | Source: 11J1640-01 Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:22 | | | | | | | |
| Aluminum | 2.30 | | 0.050 | mg/L | 2.20 | ND | 104 | 70-130 | 1.94 | 20 | |
| Boron | 0.254 | 0.056 | 0.100 | mg/L | 0.200 | ND | 127 | 70-130 | 1.84 | 20 | |
| Iron | 2.55 | 0.047 | 0.100 | mg/L | 2.21 | 0.127 | 110 | 70-130 | 1.76 | 20 | |
| Magnesium | 35.5 | 0.06 | 0.10 | mg/L | 2.20 | 35.5 | 1.11 | 70-130 | 2.10 | 20 | M6 |
| Post Spike (11J1227-PS1) | | | | Source: 11J1640-01 Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:28 | | | | | | | |
| Aluminum | 9.57 | | | mg/L | 8.82 | -0.00959 | 109 | 85-115 | | | |
| Boron | 0.909 | | | mg/L | 0.800 | 0.0295 | 110 | 85-115 | | | |
| Iron | 9.44 | | | mg/L | 8.82 | 0.127 | 106 | 85-115 | | | |
| Magnesium | 44.1 | | | mg/L | 8.80 | 35.5 | 98.0 | 85-115 | | | |

| Metals Total by ICPMS | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|-----------------------|--------|-----|----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 11J1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)



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| Metals Total by ICPMS | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|----------|---------|--------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Batch 11J1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | | | |
| Blank (11J1173-BLK1) Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:11 | | | | | | | | | | | |
| Antimony | <0.0003 | 0.0003 | 0.0010 | mg/L | | | | | | | |
| Arsenic | <0.0002 | 0.0002 | 0.0010 | mg/L | | | | | | | |
| Barium | <0.0003 | 0.0003 | 0.0010 | mg/L | | | | | | | |
| Beryllium | <0.0002 | 0.0002 | 0.0010 | mg/L | | | | | | | |
| Cadmium | <0.00007 | 0.00007 | 0.0002 | mg/L | | | | | | | |
| Chromium | <0.0003 | 0.0003 | 0.0010 | mg/L | | | | | | | |
| Cobalt | <0.00007 | 0.00007 | 0.0002 | mg/L | | | | | | | |
| Copper | <0.0021 | 0.0021 | 0.0050 | mg/L | | | | | | | |
| Lead | 0.0002 | 0.0002 | 0.0005 | mg/L | | | | | | | J |
| Manganese | 0.0014 | 0.0002 | 0.0050 | mg/L | | | | | | | B, J |
| Molybdenum | <0.0005 | 0.0005 | 0.0010 | mg/L | | | | | | | |
| Nickel | <0.0004 | 0.0004 | 0.0010 | mg/L | | | | | | | |
| Selenium | <0.0011 | 0.0011 | 0.0020 | mg/L | | | | | | | |
| Silver | <0.0035 | 0.0035 | 0.0050 | mg/L | | | | | | | |
| Thallium | <0.00007 | 0.00007 | 0.0005 | mg/L | | | | | | | |
| Vanadium | <0.0005 | 0.0005 | 0.0050 | mg/L | | | | | | | |
| Zinc | <0.0136 | 0.0136 | 0.0200 | mg/L | | | | | | | |
| LCS (11J1173-BS1) Prepared: 10/20/25 16:20 Analyzed: 10/22/25 12:28 | | | | | | | | | | | |
| Antimony | 0.121 | 0.0003 | 0.0010 | mg/L | 0.100 | | 121 | 85-115 | | | Q2 |
| Arsenic | 0.108 | 0.0002 | 0.0010 | mg/L | 0.100 | | 108 | 85-115 | | | |
| Barium | 0.115 | 0.0003 | 0.0010 | mg/L | 0.100 | | 115 | 85-115 | | | |
| Beryllium | 0.103 | 0.0002 | 0.0010 | mg/L | 0.100 | | 103 | 85-115 | | | |
| Cadmium | 0.105 | 0.00007 | 0.0002 | mg/L | 0.100 | | 105 | 85-115 | | | |
| Chromium | 0.106 | 0.0003 | 0.0010 | mg/L | 0.100 | | 106 | 85-115 | | | |
| Cobalt | 0.113 | 0.00007 | 0.0002 | mg/L | 0.100 | | 113 | 85-115 | | | |
| Copper | 0.108 | 0.0021 | 0.0050 | mg/L | 0.100 | | 108 | 85-115 | | | |
| Lead | 0.112 | 0.0002 | 0.0005 | mg/L | 0.100 | | 112 | 85-115 | | | |
| Manganese | 0.111 | 0.0021 | 0.0050 | mg/L | 0.100 | | 111 | 85-115 | | | |
| Molybdenum | 0.106 | 0.0005 | 0.0010 | mg/L | 0.100 | | 106 | 85-115 | | | |
| Nickel | 0.109 | 0.0004 | 0.0010 | mg/L | 0.100 | | 109 | 85-115 | | | |
| Selenium | 0.109 | 0.0011 | 0.0020 | mg/L | 0.100 | | 109 | 85-115 | | | |
| Silver | 0.112 | 0.0035 | 0.0050 | mg/L | 0.100 | | 112 | 85-115 | | | |
| Thallium | 0.109 | 0.00007 | 0.0005 | mg/L | 0.100 | | 109 | 85-115 | | | |
| Vanadium | 0.114 | 0.0005 | 0.0050 | mg/L | 0.100 | | 114 | 85-115 | | | |
| Zinc | 0.109 | 0.0136 | 0.0200 | mg/L | 0.100 | | 109 | 85-115 | | | |
| Matrix Spike (11J1173-MS1) Source: 11J1565-02 Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:18 | | | | | | | | | | | |
| Antimony | 0.118 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0009 | 117 | 70-130 | | | |
| Arsenic | 0.108 | 0.0002 | 0.0010 | mg/L | 0.100 | 0.0012 | 106 | 70-130 | | | |
| Barium | 0.123 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0093 | 114 | 70-130 | | | |
| Beryllium | 0.0986 | 0.0002 | 0.0010 | mg/L | 0.100 | ND | 98.6 | 70-130 | | | |
| Cadmium | 0.103 | 0.00007 | 0.0002 | mg/L | 0.100 | ND | 103 | 70-130 | | | |
| Chromium | 0.111 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0053 | 106 | 70-130 | | | |
| Cobalt | 0.109 | 0.00007 | 0.0002 | mg/L | 0.100 | 0.0007 | 108 | 70-130 | | | |

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| Metals Total by ICPMS | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|---------|--------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| Batch 11J1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | | | |
| Matrix Spike (11J1173-MS1) Source: 11J1565-02 Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:18 | | | | | | | | | | | |
| Copper | 0.125 | 0.0021 | 0.0050 | mg/L | 0.100 | 0.0254 | 99.2 | 70-130 | | | |
| Lead | 0.105 | 0.0002 | 0.0005 | mg/L | 0.100 | 0.0002 | 105 | 70-130 | | | |
| Manganese | 0.132 | 0.0002 | 0.0050 | mg/L | 0.100 | 0.0249 | 107 | 70-130 | | | |
| Molybdenum | 0.662 | 0.0005 | 0.0010 | mg/L | 0.100 | 0.549 | 113 | 70-130 | | | |
| Nickel | 0.162 | 0.0004 | 0.0010 | mg/L | 0.100 | 0.0615 | 101 | 70-130 | | | |
| Selenium | 0.102 | 0.0011 | 0.0020 | mg/L | 0.100 | ND | 102 | 70-130 | | | |
| Silver | 0.110 | 0.0035 | 0.0050 | mg/L | 0.100 | ND | 110 | 70-130 | | | |
| Thallium | 0.0890 | 0.00007 | 0.0005 | mg/L | 0.100 | 0.0001 | 88.9 | 70-130 | | | |
| Vanadium | 0.114 | 0.0005 | 0.0050 | mg/L | 0.100 | ND | 114 | 70-130 | | | |
| Zinc | 0.322 | 0.0136 | 0.0200 | mg/L | 0.100 | 0.204 | 118 | 70-130 | | | |
| Matrix Spike Dup (11J1173-MSD1) Source: 11J1565-02 Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:21 | | | | | | | | | | | |
| Antimony | 0.121 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0009 | 120 | 70-130 | 2.16 | 20 | |
| Arsenic | 0.109 | 0.0002 | 0.0010 | mg/L | 0.100 | 0.0012 | 108 | 70-130 | 1.49 | 20 | |
| Barium | 0.126 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0093 | 117 | 70-130 | 2.17 | 20 | |
| Beryllium | 0.0983 | 0.0002 | 0.0010 | mg/L | 0.100 | ND | 98.3 | 70-130 | 0.340 | 20 | |
| Cadmium | 0.105 | 0.00007 | 0.0002 | mg/L | 0.100 | ND | 105 | 70-130 | 1.71 | 20 | |
| Chromium | 0.108 | 0.0003 | 0.0010 | mg/L | 0.100 | 0.0053 | 103 | 70-130 | 3.07 | 20 | |
| Cobalt | 0.109 | 0.00007 | 0.0002 | mg/L | 0.100 | 0.0007 | 109 | 70-130 | 0.159 | 20 | |
| Copper | 0.126 | 0.0021 | 0.0050 | mg/L | 0.100 | 0.0254 | 100 | 70-130 | 0.871 | 20 | |
| Lead | 0.104 | 0.0002 | 0.0005 | mg/L | 0.100 | 0.0002 | 104 | 70-130 | 0.298 | 20 | |
| Manganese | 0.131 | 0.0002 | 0.0050 | mg/L | 0.100 | 0.0249 | 106 | 70-130 | 0.148 | 20 | |
| Molybdenum | 0.661 | 0.0005 | 0.0010 | mg/L | 0.100 | 0.549 | 112 | 70-130 | 0.100 | 20 | |
| Nickel | 0.163 | 0.0004 | 0.0010 | mg/L | 0.100 | 0.0615 | 101 | 70-130 | 0.290 | 20 | |
| Selenium | 0.103 | 0.0011 | 0.0020 | mg/L | 0.100 | ND | 103 | 70-130 | 1.38 | 20 | |
| Silver | 0.111 | 0.0035 | 0.0050 | mg/L | 0.100 | ND | 111 | 70-130 | 0.763 | 20 | |
| Thallium | 0.0887 | 0.00007 | 0.0005 | mg/L | 0.100 | 0.0001 | 88.5 | 70-130 | 0.410 | 20 | |
| Vanadium | 0.113 | 0.0005 | 0.0050 | mg/L | 0.100 | ND | 113 | 70-130 | 0.588 | 20 | |
| Zinc | 0.319 | 0.0136 | 0.0200 | mg/L | 0.100 | 0.204 | 115 | 70-130 | 0.963 | 20 | |
| Post Spike (11J1173-PS1) Source: 11J1565-02 Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:28 | | | | | | | | | | | |
| Antimony | 0.0239 | | | mg/L | 0.0200 | 0.0009 | 115 | 70-130 | | | |
| Arsenic | 0.0224 | | | mg/L | 0.0200 | 0.0012 | 106 | 70-130 | | | |
| Barium | 0.0299 | | | mg/L | 0.0200 | 0.0093 | 103 | 70-130 | | | |
| Beryllium | 0.0200 | | | mg/L | 0.0200 | 0.00001 | 100 | 70-130 | | | |
| Cadmium | 0.0201 | | | mg/L | 0.0200 | 0.000009 | 101 | 70-130 | | | |
| Chromium | 0.0251 | | | mg/L | 0.0200 | 0.0053 | 98.7 | 70-130 | | | |
| Cobalt | 0.0202 | | | mg/L | 0.0200 | 0.0007 | 97.5 | 70-130 | | | |
| Copper | 0.0437 | | | mg/L | 0.0200 | 0.0254 | 91.6 | 70-130 | | | |
| Lead | 0.0205 | | | mg/L | 0.0200 | 0.0002 | 102 | 70-130 | | | |
| Manganese | 0.0439 | | | mg/L | 0.0200 | 0.0249 | 94.6 | 70-130 | | | |
| Molybdenum | 0.521 | | | mg/L | 0.0200 | 0.549 | NR | 70-130 | | | M6 |
| Nickel | 0.0795 | | | mg/L | 0.0200 | 0.0615 | 90.1 | 70-130 | | | |
| Selenium | 0.0200 | | | mg/L | 0.0200 | 0.0002 | 98.9 | 70-130 | | | |
| Silver | 0.0210 | | | mg/L | 0.0200 | 0.0004 | 103 | 70-130 | | | |

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| Metals Total by ICPMS | Result | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----|------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 11J1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994) | | | | | | | | | | | |
| Post Spike (11J1173-PS1) Source: 11J1565-02 Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:28 | | | | | | | | | | | |
| Thallium | 0.0199 | | | mg/L | 0.0200 | 0.0001 | 99.1 | 70-130 | | | |
| Vanadium | 0.0210 | | | mg/L | 0.0200 | 0.00008 | 105 | 70-130 | | | |
| Zinc | 0.215 | | | mg/L | 0.0200 | 0.204 | 53.0 | 70-130 | | | M2 |
| Determination of Conventional Chemistry Parameters | | | | | | | | | | | |
| Batch 11J1073 - Wet Chem Preparation - USGS I-3765-85 | | | | | | | | | | | |
| Blank (11J1073-BLK1) Prepared: 10/17/25 14:05 Analyzed: 10/20/25 09:51 | | | | | | | | | | | |
| Total Suspended Solids (TSS) | <1 | | 1 | mg/L | | | | | | | |
| LCS (11J1073-BS1) Prepared: 10/17/25 14:05 Analyzed: 10/20/25 09:51 | | | | | | | | | | | |
| Total Suspended Solids (TSS) | 15.1 | | 1 | mg/L | 15.0 | | 101 | 73-110 | | | |
| Duplicate (11J1073-DUP1) Source: 11J1621-01 Prepared: 10/17/25 14:05 Analyzed: 10/20/25 09:51 | | | | | | | | | | | |
| Total Suspended Solids (TSS) | 1380 | | 1 | mg/L | | 1540 | | | 11.3 | 30 | |
| Batch 11J1074 - Wet Chem Preparation - USGS I-1750-85 | | | | | | | | | | | |
| Blank (11J1074-BLK1) Prepared: 10/17/25 14:08 Analyzed: 10/20/25 09:00 | | | | | | | | | | | |
| Total Dissolved Solids (TDS) | <5 | | 5 | mg/L | | | | | | | |
| LCS (11J1074-BS1) Prepared: 10/17/25 14:08 Analyzed: 10/20/25 09:00 | | | | | | | | | | | |
| Total Dissolved Solids (TDS) | 99 | | 5 | mg/L | 100 | | 98.6 | 83-110 | | | |
| Duplicate (11J1074-DUP1) Source: 11J1640-01 Prepared: 10/17/25 14:08 Analyzed: 10/20/25 09:00 | | | | | | | | | | | |
| Total Dissolved Solids (TDS) | 404 | | 5 | mg/L | | 395 | | | 2.34 | 20 | |
| Batch 11J1150 - General Prep HPLC/IC - TIMBERLINE | | | | | | | | | | | |
| Blank (11J1150-BLK1) Prepared: 10/20/25 14:44 Analyzed: 10/21/25 09:47 | | | | | | | | | | | |
| Nitrogen, Ammonia | <0.10 | | 0.10 | mg/L | | | | | | | |
| LCS (11J1150-BS1) Prepared: 10/20/25 14:44 Analyzed: 10/21/25 09:48 | | | | | | | | | | | |
| Nitrogen, Ammonia | 5.73 | | 0.10 | mg/L | 5.56 | | 103 | 90-114 | | | |
| Matrix Spike (11J1150-MS1) Source: 11J1591-01 Prepared: 10/20/25 14:44 Analyzed: 10/21/25 09:50 | | | | | | | | | | | |
| Nitrogen, Ammonia | 5.53 | | 0.10 | mg/L | 5.56 | ND | 99.5 | 84-115 | | | |
| Matrix Spike Dup (11J1150-MSD1) Source: 11J1591-01 Prepared: 10/20/25 14:44 Analyzed: 10/21/25 09:51 | | | | | | | | | | | |
| Nitrogen, Ammonia | 6.35 | | 0.10 | mg/L | 5.56 | ND | 114 | 84-115 | 13.7 | 20 | |
| Batch 11J1151 - General Prep HPLC/IC - TIMBERLINE | | | | | | | | | | | |
| Blank (11J1151-BLK1) Prepared: 10/20/25 14:47 Analyzed: 10/21/25 10:31 | | | | | | | | | | | |
| Nitrogen, Ammonia | <0.10 | | 0.10 | mg/L | | | | | | | |
| LCS (11J1151-BS1) Prepared: 10/20/25 14:47 Analyzed: 10/21/25 10:32 | | | | | | | | | | | |
| Nitrogen, Ammonia | 5.45 | | 0.10 | mg/L | 5.56 | | 98.1 | 90-114 | | | |

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CERTIFICATE OF ANALYSIS

11J1640

| Determination of Conventional Chemistry Parameters | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|-------|---|-------------|---------------|------|-------------|--------|-----------|-------|
| Batch 11J1151 - General Prep HPLC/IC - TIMBERLINE | | | | | | | | | | |
| Matrix Spike (11J1151-MS1) | Source: 11J1640-03 | | Prepared: 10/20/25 14:47 Analyzed: 10/21/25 11:45 | | | | | | | |
| Nitrogen, Ammonia | 5.43 | 0.10 | mg/L | 5.56 | ND | 97.8 | 84-115 | | | |
| Matrix Spike Dup (11J1151-MSD1) | Source: 11J1640-03 | | Prepared: 10/20/25 14:47 Analyzed: 10/21/25 11:47 | | | | | | | |
| Nitrogen, Ammonia | 5.98 | 0.10 | mg/L | 5.56 | ND | 108 | 84-115 | 9.54 | 20 | |
| Batch 11J1185 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993) | | | | | | | | | | |
| Blank (11J1185-BLK1) | Prepared: 10/21/25 08:26 Analyzed: 10/21/25 16:10 | | | | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| LCS (11J1185-BS1) | Prepared: 10/21/25 08:26 Analyzed: 10/21/25 16:10 | | | | | | | | | |
| COD, total | 537 | 54 | mg/L | 500 | | 107 | 90-110 | | | |
| Matrix Spike (11J1185-MS1) | Source: 31J0078-01 | | Prepared: 10/21/25 08:26 Analyzed: 10/21/25 16:10 | | | | | | | |
| COD, total | 1170 | 108 | mg/L | 1000 | 158 | 101 | 90-110 | | | |
| Matrix Spike Dup (11J1185-MSD1) | Source: 31J0078-01 | | Prepared: 10/21/25 08:26 Analyzed: 10/21/25 16:10 | | | | | | | |
| COD, total | 1170 | 108 | mg/L | 1000 | 158 | 101 | 90-110 | 0.00 | 10 | |
| Batch 11J1207 - Wet Chem Preparation - EPA 410.4, Rv. 2 (1993) | | | | | | | | | | |
| Blank (11J1207-BLK1) | Prepared: 10/21/25 11:23 Analyzed: 10/21/25 16:08 | | | | | | | | | |
| COD, total | <54 | 54 | mg/L | | | | | | | |
| LCS (11J1207-BS1) | Prepared: 10/21/25 11:23 Analyzed: 10/21/25 16:08 | | | | | | | | | |
| COD, total | 529 | 54 | mg/L | 500 | | 106 | 90-110 | | | |
| Matrix Spike (11J1207-MS1) | Source: 11J1640-01 | | Prepared: 10/21/25 11:23 Analyzed: 10/21/25 16:08 | | | | | | | |
| COD, total | 1020 | 108 | mg/L | 1000 | ND | 102 | 90-110 | | | |
| Matrix Spike Dup (11J1207-MSD1) | Source: 11J1640-01 | | Prepared: 10/21/25 11:23 Analyzed: 10/21/25 16:08 | | | | | | | |
| COD, total | 1040 | 108 | mg/L | 1000 | ND | 104 | 90-110 | 2.22 | 10 | |
| Batch 11J1216 - Wet Chem Preparation - SM 2510 B-2011 | | | | | | | | | | |
| Blank (11J1216-BLK1) | Prepared: 10/21/25 13:11 Analyzed: 10/21/25 15:57 | | | | | | | | | |
| Conductivity | <2.0 | 2.0 | uS/cm | | | | | | | |
| Duplicate (11J1216-DUP1) | Source: 11J1640-01 | | Prepared: 10/21/25 13:11 Analyzed: 10/21/25 15:57 | | | | | | | |
| Conductivity | 650 | 2.0 | uS/cm | | 649 | | | 0.0462 | 10 | |
| Reference (11J1216-SRM1) | Prepared: 10/21/25 13:11 Analyzed: 10/21/25 15:57 | | | | | | | | | |
| Conductivity | 459 | 2.0 | uS/cm | 500 | | 91.8 | 90-110 | | | |
| Batch 11J1579 - Wet Chem Preparation - EPA 420.1 | | | | | | | | | | |
| Blank (11J1579-BLK1) | Prepared: 10/28/25 08:54 Analyzed: 10/29/25 14:27 | | | | | | | | | |
| Phenols, total | <0.035 | 0.035 | mg/L | | | | | | | |
| LCS (11J1579-BS1) | Prepared: 10/28/25 08:54 Analyzed: 10/29/25 14:27 | | | | | | | | | |
| Phenols, total | 0.351 | 0.035 | mg/L | 0.400 | | 87.6 | 67-110 | | | |

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CERTIFICATE OF ANALYSIS

11J1640

| Determination of | Result | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| Determination of Conventional Chemistry Parameters | | | | | | | | | | |
| Batch 11J1579 - Wet Chem Preparation - EPA 420.1 | | | | | | | | | | |
| Matrix Spike (11J1579-MS1) Source: 11J1640-01 Prepared: 10/28/25 08:54 Analyzed: 10/29/25 14:27 | | | | | | | | | | |
| Phenols, total | 0.389 | 0.035 | mg/L | 0.400 | ND | 97.1 | 57-114 | | | |
| Matrix Spike Dup (11J1579-MSD1) Source: 11J1640-01 Prepared: 10/28/25 08:54 Analyzed: 10/29/25 14:27 | | | | | | | | | | |
| Phenols, total | 0.366 | 0.035 | mg/L | 0.400 | ND | 91.4 | 57-114 | 6.04 | 30 | |
| Batch 11J1738 - TOX/TX/EOX - EPA 9020B | | | | | | | | | | |
| Blank (11J1738-BLK1) Prepared: 10/29/25 00:00 Analyzed: 10/30/25 14:43 | | | | | | | | | | |
| Total Organic Halogens (TOX) | <0.010 | 0.010 | mg/L | | | | | | | |
| LCS (11J1738-BS1) Prepared: 10/29/25 00:00 Analyzed: 10/30/25 14:43 | | | | | | | | | | |
| Total Organic Halogens (TOX) | 0.0993 | 0.010 | mg/L | 0.111 | | 89.8 | 60-139 | | | |
| Matrix Spike (11J1738-MS1) Source: 11J1640-04 Prepared: 10/29/25 00:00 Analyzed: 10/30/25 14:43 | | | | | | | | | | |
| Total Organic Halogens (TOX) | 1.284 | 0.100 | mg/L | 1.11 | 0.0844 | 109 | 29-153 | | | |
| Matrix Spike Dup (11J1738-MSD1) Source: 11J1640-04 Prepared: 10/29/25 00:00 Analyzed: 10/30/25 14:43 | | | | | | | | | | |
| Total Organic Halogens (TOX) | 1.003 | 0.100 | mg/L | 1.11 | 0.0844 | 83.1 | 29-153 | 24.6 | 30 | |
| Determination of Inorganic Anions | | | | | | | | | | |
| Batch 11J1177 - General Prep HPLC/IC - 300.0 | | | | | | | | | | |
| Blank (11J1177-BLK1) Prepared & Analyzed: 10/20/25 10:33 | | | | | | | | | | |
| Fluoride | <0.1 | 0.1 | mg/L | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <0.4 | 0.4 | 1.0 | mg/L | | | | | | |
| Blank (11J1177-BLK2) Prepared & Analyzed: 10/20/25 22:05 | | | | | | | | | | |
| Fluoride | <0.1 | 0.1 | mg/L | | | | | | | |
| Chloride | <1.0 | 1.0 | mg/L | | | | | | | |
| Sulfate | <0.4 | 0.4 | 1.0 | mg/L | | | | | | |
| LCS (11J1177-BS1) Prepared & Analyzed: 10/20/25 10:55 | | | | | | | | | | |
| Fluoride | 1.38 | 0.1 | mg/L | 1.30 | | 106 | 90-110 | | | |
| Chloride | 15.49 | 1.0 | mg/L | 15.5 | | 99.8 | 90-110 | | | |
| Sulfate | 36.41 | 0.4 | 1.0 | mg/L | 33.9 | 107 | 80-120 | | | |
| LCS (11J1177-BS2) Prepared & Analyzed: 10/20/25 22:28 | | | | | | | | | | |
| Fluoride | 1.36 | 0.1 | mg/L | 1.30 | | 105 | 90-110 | | | |
| Chloride | 15.56 | 1.0 | mg/L | 15.5 | | 100 | 90-110 | | | |
| Sulfate | 36.54 | 0.4 | 1.0 | mg/L | 33.9 | 108 | 80-120 | | | |
| LCS Dup (11J1177-BSD1) Prepared & Analyzed: 10/20/25 11:17 | | | | | | | | | | |
| Fluoride | 1.39 | 0.1 | mg/L | 1.30 | | 107 | 90-110 | 0.751 | 10 | |
| Chloride | 15.54 | 1.0 | mg/L | 15.5 | | 100 | 90-110 | 0.305 | 10 | |
| Sulfate | 36.47 | 0.4 | 1.0 | mg/L | 33.9 | 108 | 80-120 | 0.172 | 10 | |
| LCS Dup (11J1177-BSD2) Prepared & Analyzed: 10/20/25 22:50 | | | | | | | | | | |



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CERTIFICATE OF ANALYSIS

11J1640

Table with columns: Determination of Inorganic Anions, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Includes sections for LCS Dup, Matrix Spike, and Matrix Spike Dup for Fluoride, Chloride, and Sulfate.

Definitions

- B: The target analyte was detected in the blank at or above the method acceptance criteria.
H2: Initial analysis was within holding time. Reanalysis was done past holding time.
J: Estimated value. The analyte concentration is less than the reporting/quantitation limit.
M1: Matrix spike recovery is above acceptance limits.
M2: Matrix spike recovery is below acceptance limits.
M6: Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
MDL: Minimum Detection Limit
Q2: LCS recovery is above acceptance limits.
R1: Duplicate RPD is outside acceptance criteria.
RL: Reporting Limit
RPD: Relative Percent Difference
S2: Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Table with columns: Cooler ID, Temp, Cooler ID, Temp. Values: Default Cooler, 3.4°C, New Cooler, 2.6°C

Cooler Inspection Checklist

Table with columns: Item, Status. Items: Custody Seals, COC/Labels Agree, Received On Ice. Statuses: No, Yes, Containers Intact, Preservation Confirmed, Yes, No



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CERTIFICATE OF ANALYSIS

1IJ1640

Report Comments

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Reviewed and Approved By:

A rectangular box containing a handwritten signature in black ink that reads "Heather Tisdale".

Heather Tisdale

Customer Relationship Specialist

heather.tisdale@microbac.com

11/05/25 14:35



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 1 of 6
Printed: 9/26/2025 8:41:14AM

CHAIN OF CUSTODY RECORD

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Barcode
1 I J 1 6 4 0
BMC Aggregates L.C.
PM: Heather Tisdale

Temperature: 3.4°C

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Containers

Analyses

Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|----------|---------|--------------|---|--|----|
| 01-001 | Well #1 | Aqueous | GRAB | 10/15/25 | 12:30PM | 14 | 624@mek se-t-200.8 F-300.0 hg-t-3112-low 624@benzene 625-126 8315@Formaldehyde ag-t-200.8 ba-t-200.8 cd-t-200.8 cr-t-200.8 mn-t-200.8 ni-t-200.8 tl-t-200.8 zn-t-200.8 al-t-200.7 9020-100 mg-t-200.7 cl-300.0 624@chloroform pb-t-200.8 | as-t-200.8 cond-2510 phenol-t-420.1 fe-t-200.7 nh3-timberline cod-t-410.4 ag-t-200.8 be-t-200.8 co-t-200.8 cu-t-200.8 mo-t-200.8 sb-t-200.8 vt-200.8 so4-9056-w b-t-200.7 tss-i-3765-85 tds-i-1750-85 624-base-analysis 625@pyridine | 01 |

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received for Lab By

Date/Time

Remarks:

Please do Electrical Conductivity for me.

Sherman Lundy
10-16-25 1:50pm

Amie Coff
10/17/25 11:35

[Signature]
10/16/25 1:50



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Newton, IA 50208
Phone: 641-792-8451

Page 2 of 6
Printed: 9/26/2025 8:41:14AM

CHAIN OF CUSTODY RECORD

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LAB USE ONLY

Barcode: 11010640
BMC Aggregates L.C.
PM: Heather Tisdale

Temperature: 3.4°C

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Containers

Analyses

Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|----------|------|--------------|---|---|----|
| 02-001 | Well #2 | Aqueous | GRAB | 10/15/25 | 1 PM | 14 | 624@mek se-t-200.8 F-300.0 hg-t-3112-10w 624@benzene 625-126 8315@Formaldehyde ag-t-200.8 ba-t-200.8 cd-t-200.8 cr-t-200.8 mn-t-200.8 ni-t-200.8 tl-t-200.8 zn-t-200.8 al-t-200.7 9020-100 mg-t-200.7 cl-300.0 624@chloroform pb-t-200.8 | as-t-200.8 cond-2510 phenol-t-420.1 fe-t-200.7 nh3-timberline cod-t-410.4 be-t-200.8 co-t-200.8 cu-t-200.8 mo-t-200.8 sb-t-200.8 v-t-200.8 so4-9056-w b-t-200.7 tss-i-3765-85 tss-i-1750-85 624-base-analysis 625@pyridine | 02 |

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Thomas Lundy
10-16-25
1:50pm

Thomas Lundy
10/16/25
1:50pm

Please do Electrical activity on du study
no well

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

Amie RST
10/17/25
11:35

Amie RST
10/16/25
1:50pm

Please do Electrical activity on du study
no well



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Phone: 641-792-8451

CHAIN OF CUSTODY RECORD

Page 3 of 6
Printed: 9/26/2025 8:41:14AM

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard RUSH, need by ___/___/___

LAB USE ONLY



1 I J 1 6 4 0
BMC Aggregates L.C.
PM: Heather Tisdale

Temperature: 2.6/3.4 °C

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Containers

Analyses

Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|----------|--------|--------------|---|---|----|
| 03-001 | Well #3 | Aqueous | GRAB | 10/15/25 | 1:30PM | 14 | 624@mek se-t-200.8 F-300.0 hg-t-3112-low 624@benzene 625-126 8315@Formaldehyde ag-t-200.8 ba-t-200.8 cd-t-200.8 cr-t-200.8 mn-t-200.8 ni-t-200.8 tt-t-200.8 zn-t-200.8 al-t-200.7 9020-100 mg-t-200.7 cl-300.0 624@chloroform pb-t-200.8 | as-t-200.8 cond-2510 phenol-t-420.1 fe-t-200.7 nh3-timberline cod-t-410.4 be-t-200.8 co-t-200.8 cu-t-200.8 mo-t-200.8 sb-t-200.8 v-t-200.8 s04-9056-w b-t-200.7 tss-i-3765-85 tds-i-1750-85 624-base-analysis 625@pyridine | 03 |

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time

Please do Electrical Conductivity
no used



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Newton, IA 50208
Phone: 641-792-8451

Page 4 of 6
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CHAIN OF CUSTODY RECORD

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None

Turn Around Time

Standard

RUSH, need by ___/___/___

LAB USE ONLY



BMC Aggregates L.C.
PM: Heather Tisdale

Temperature: 2.6 °C

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Containers

Analyses

Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|----------|------|--------------|--|---|----|
| 04-001 | Well #4 | Aqueous | GRAB | 10/15/25 | 2PM | 19 | 624@mek se-t-200.8 f-300.0 hg-t-3112-low 624@benzene 625-126 8315@Formaldehyde ba-t-200.8 cd-t-200.8 cr-t-200.8 mn-t-200.8 ni-t-200.8 tl-t-200.8 zn-t-200.8 al-t-200.7 9020-100 mg-t-200.7 cl-300.0 624@chloroform pb-t-200.8 | as-t-200.8 cond-2510 phenol-t-420.1 fe-t-200.7 nh3-timberline cod-t-410.4 ag-t-200.8 be-t-200.8 co-t-200.8 cu-t-200.8 mo-t-200.8 sb-t-200.8 v-t-200.8 so4-9056-w b-t-200.7 tss-t-3765-85 lds-i-1750-85 624-base-analysis 625@pyridine | 04 |

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

Remarks: Fluoride Electrical Conductivity
on well



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 5 of 6
Printed: 9/26/2025 8:41:14AM

CHAIN OF CUSTODY RECORD

SITE INFORMATION

Sampler: Sherman Lundy
Project: GW Monitoring
Miller Creek Area

REPORT TO

Sherman Lundy
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

INVOICE TO

Accounts Payable
BMC Aggregates L.C.
101 BMC Drive
Elk Run Heights, IA 50707

SPECIAL INSTRUCTIONS

None
Turn Around Time
 Standard RUSH, need by ___/___/___

LARISE ONI V

Barcode with alphanumeric string: 1 I J 1 6 4 0
BMC Aggregates L.C.
PM: Heather Tisdale

Temperature: 2.6 °C

Number Sample Identification / Client ID Matrix Sample Type Date Time # Containers Analyses Lab Sample Number

| Number | Sample Identification / Client ID | Matrix | Sample Type | Date | Time | # Containers | Analyses | Lab Sample Number | |
|--------|-----------------------------------|---------|-------------|----------|---------|--------------|--|--|----|
| 05-001 | Upgradient Well | Aqueous | GRAB | 10/15/25 | 2:30 PM | 4 | 624@mek se-t-200.8 F-300.0 hg-t-3112-low 624@benzene 625-126 8315@Formaldehyde ba-t-200.8 cd-t-200.8 cr-t-200.8 mm-t-200.8 ni-t-200.8 tl-t-200.8 zn-t-200.8 al-t-200.7 9020-100 mg-t-200.7 cl-300.0 624@chloroform pb-t-200.8 | as-t-200.8 cond-2510 phenol-t-420.1 fe-t-200.7 nh3-timberline cod-t-410.4 ag-t-200.8 be-t-200.8 co-t-200.8 cu-t-200.8 mo-t-200.8 sb-t-200.8 v-t-200.8 s04-9056-w b-t-200.7 tss-i-3765-85 tids-i-1750-85 624-base-analysis 625@pyridine | OS |

Relinquished By [Signature] Date/Time 10-16-25 1:50 pm

Received By Ane KERT Date/Time 10/17/25 11:37

Relinquished By [Signature] Date/Time 10/16/25

Received for Lab By [Signature] Date/Time 10/16/25 1350

Remarks: Please do Electrical Conductivity

as well

Appendix C
Summary of Groundwater Chemistry

SCS ENGINEERS

Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Aluminum, mg/L (CAS NO - 7429-90-5) | | | | | | |
| | 3/19/2019 | < 0.05 | 0.165 | 0.247 | 0.408 | 12.2 |
| | 10/16/2019 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.308 |
| | 3/18/2020 | < 0.05 | 0.062 | < 0.05 | < 0.05 | 0.233 |
| | 10/16/2020 | < 0.05 | 0.077 | 0.061 | 0.096 | 0.971 |
| | 3/17/2021 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| | 10/20/2021 | < 0.05 | < 0.05 | 0.069 | 0.259 | 0.512 |
| | 3/17/2022 | 0.057 | < 0.05 | 0.092 | 0.093 | 0.327 |
| | 10/18/2022 | < 0.05 | < 0.05 | 0.059 | < 0.05 | < 0.05 |
| | 3/14/2023 | < 0.05 | 0.05 | < 0.05 | 0.549 | 0.074 |
| | 10/18/2023 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 1.83 |
| | 3/18/2024 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.164 |
| | 10/16/2024 | < 0.05 | < 0.05 | 0.064 | 0.05 | 0.466 |
| | 3/13/2025 | 0.453 | 0.05 | < 0.05 | < 0.05 | 0.094 |
| | 10/15/2025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Antimony, mg/L (CAS NO - 7440-36-0) | | | | | | |
| | 12/16/2009 | 0.0011 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0005 | 0.001 | 0.0012 | 0.0007 | 0.0018 |
| | 3/16/2010 | < 0.0002 | 0.0002 | 0.0011 | 0.0007 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.0002 |
| | 4/15/2010 | 0.0003 | 0.0011 | 0.0017 | 0.002 | 0.0006 |
| | 5/17/2010 | 0.0002 | 0.0029 | 0.0011 | 0.0013 | 0.0023 |
| | 6/21/2010 | < 0.0002 | 0.0008 | 0.0011 | 0.0018 | 0.0002 |
| | 7/16/2010 | 0.0005 | 0.0038 | 0.0029 | 0.0047 | 0.0014 |
| | 8/18/2010 | 0.0006 | 0.0009 | 0.0021 | 0.0008 | 0.0012 |
| | 9/20/2010 | < 0.0002 | < 0.0002 | 0.0014 | 0.0017 | 0.0018 |
| | 10/18/2010 | < 0.0002 | 0.0041 | 0.0027 | < 0.0002 | 0.0013 |
| | 11/16/2010 | < 0.0002 | < 0.0002 | 0.0022 | 0.0018 | < 0.0002 |
| | 12/16/2010 | < 0.0002 | < 0.0002 | 0.0025 | 0.0013 | < 0.0002 |
| | 1/13/2011 | < 0.0002 | < 0.0002 | 0.0023 | < 0.0002 | < 0.0002 |
| | 2/16/2011 | 0.0003 | 0.0005 | 0.0028 | 0.001 | 0.0006 |
| | 5/18/2011 | < 0.0002 | < 0.0002 | 0.0018 | < 0.0002 | < 0.0002 |
| | 8/17/2011 | < 0.0002 | 0.0005 | 0.003 | 0.0013 | 0.0005 |
| | 10/17/2011 | < 0.0002 | < 0.0002 | 0.0014 | 0.0006 | 0.0009 |
| | 1/18/2012 | 0.0002 | 0.0003 | 0.0015 | 0.0009 | 0.0003 |
| | 4/17/2012 | < 0.0002 | 0.0006 | 0.0013 | 0.0012 | 0.0001 |
| | 7/17/2012 | 0.0002 | 0.0004 | 0.0002 | 0.0013 | 0.0012 |
| | 11/14/2012 | < 0.0002 | 0.0004 | 0.0012 | 0.0007 | 0.0006 |
| | 3/19/2013 | < 0.0002 | 0.0006 | 0.0016 | 0.0008 | 0.0003 |
| | 6/17/2013 | 0.001 | 0.0019 | 0.004 | 0.0017 | 0.0008 |
| | 9/17/2013 | < 0.0002 | 0.0007 | 0.001 | 0.0005 | 0.0002 |
| | 12/17/2013 | 0.0002 | 0.0009 | 0.0013 | 0.0007 | 0.0003 |
| | 2/17/2014 | 0.0005 | 0.001 | 0.0014 | 0.0012 | 0.0004 |
| | 4/15/2014 | 0.0003 | 0.0004 | 0.0007 | 0.0006 | 0.0005 |
| | 7/15/2014 | < 0.0002 | 0.001 | 0.0008 | 0.0005 | 0.0004 |
| | 10/13/2014 | 0.0006 | 0.0012 | 0.0016 | 0.001 | 0.0007 |
| | 1/16/2015 | < 0.0002 | 0.0004 | 0.0007 | 0.0006 | < 0.0002 |
| | 5/13/2015 | 0.0002 | 0.0003 | 0.0004 | 0.0019 | 0.0001 |
| | 8/18/2015 | 0.0001 | 0.0003 | 0.0006 | 0.0003 | 0.0018 |
| | 11/17/2015 | < 0.0002 | 0.0003 | 0.0004 | 0.0013 | 0.0002 |
| | 3/16/2016 | < 0.0001 | 0.0002* | 0.0011* | 0.0011* | 0.0002* |
| | 10/12/2016 | < 0.0001 | 0.0009* | 0.0008* | 0.003 | 0.0002* |
| | 3/16/2017 | 0.0001* | 0.0006* | 0.0007* | 0.001* | 0.0003* |
| | 10/12/2017 | 0.0003* | 0.0002* | 0.0007* | 0.0003* | 0.0003* |
| | 3/14/2018 | 0.0002* | < 0.0001 | 0.0009* | 0.0002* | 0.0003* |
| | 10/17/2018 | < 0.0001 | 0.0003* | 0.0017* | 0.0002* | 0.0005* |
| | 3/19/2019 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | 10/16/2019 | 0.0003* | < 0.0001 | 0.0002* | 0.0009* | 0.0002* |
| | 3/18/2020 | < 0.0008 | < 0.0008 | < 0.0008 | 0.0008* | < 0.0008 |
| | 10/16/2020 | < 0.0008 | < 0.0008 | < 0.0008 | 0.0008* | < 0.0008 |
| | 3/17/2021 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 10/20/2021 | 0.0005* | < 0.0002 | 0.0002* | 0.0004* | 0.0007* |
| | 3/17/2022 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 10/18/2022 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 3/14/2023 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | 0.001* |
| | 10/18/2023 | 0.0009* | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 3/18/2024 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 10/16/2024 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 3/13/2025 | < 0.0008 | 0.001* | < 0.0008 | < 0.0008 | < 0.0008 |
| | 10/15/2025 | 0.0013 | < 0.001 | < 0.001 | < 0.001 | 0.0003* |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Arsenic, mg/L (CAS NO - 7440-38-2) | 12/16/2009 | 0.0013 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0003 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0003 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0006 | 0.0014 | 0.001 | 0.001 | 0.0006 |
| | 3/16/2010 | 0.0022 | 0.0012 | 0.0037 | 0.0037 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.0003 |
| | 4/15/2010 | < 0.0003 | < 0.0003 | < 0.0003 | < 0.0003 | < 0.0003 |
| | 5/17/2010 | 0.0009 | < 0.0003 | 0.0015 | 0.0015 | 0.003 |
| | 6/21/2010 | 0.0013 | 0.0007 | 0.0021 | 0.0017 | 0.0025 |
| | 7/16/2010 | < 0.0003 | 0.001 | 0.0016 | < 0.0003 | 0.0009 |
| | 8/18/2010 | 0.0019 | 0.0049 | 0.0019 | 0.0036 | 0.0017 |
| | 9/20/2010 | 0.0006 | 0.0007 | 0.0016 | 0.0006 | < 0.0003 |
| | 10/18/2010 | < 0.0003 | 0.0009 | 0.0015 | 0.0026 | 0.0006 |
| | 11/16/2010 | < 0.0003 | 0.0012 | 0.0012 | < 0.0003 | < 0.0003 |
| | 12/16/2010 | 0.0022 | 0.0017 | 0.0024 | 0.0017 | 0.0011 |
| | 1/13/2011 | < 0.0003 | 0.002 | 0.0018 | < 0.0003 | < 0.0003 |
| | 2/16/2011 | 0.0003 | 0.0013 | 0.0003 | 0.0003 | 0.0003 |
| | 5/18/2011 | 0.0003 | 0.0039 | 0.0018 | 0.0015 | 0.0003 |
| | 8/17/2011 | < 0.0003 | 0.0027 | < 0.0003 | < 0.0003 | < 0.0003 |
| | 10/17/2011 | < 0.0003 | 0.0031 | < 0.0003 | < 0.0003 | < 0.0003 |
| | 1/18/2012 | < 0.0003 | 0.0099 | 0.0075 | 0.0073 | < 0.0003 |
| | 4/17/2012 | 0.0008 | 0.0057 | 0.002 | 0.0057 | 0.0011 |
| | 7/17/2012 | 0.0012 | 0.0045 | 0.0009 | 0.0076 | 0.0015 |
| | 11/14/2012 | < 0.0003 | 0.0009 | < 0.0003 | 0.0068 | < 0.0003 |
| | 3/19/2013 | < 0.0003 | 0.0025 | < 0.0003 | 0.0061 | 0.001 |
| | 6/17/2013 | < 0.0003 | 0.0022 | 0.0004 | 0.0102 | < 0.0003 |
| | 9/17/2013 | 0.0004 | 0.0034 | 0.001 | 0.0099 | 0.001 |
| | 12/17/2013 | 0.0004 | 0.0023 | 0.001 | 0.0124 | 0.0007 |
| | 2/17/2014 | 0.0005 | 0.0034 | 0.0006 | 0.0118 | < 0.0003 |
| | 4/15/2014 | 0.0005 | 0.0038 | 0.0005 | 0.0112 | 0.0012 |
| | 7/15/2014 | 0.0003 | 0.0005 | 0.0015 | 0.01 | 0.0036 |
| | 10/13/2014 | 0.0004 | 0.0019 | 0.0006 | 0.009 | 0.0006 |
| | 1/16/2015 | 0.0004 | 0.0033 | 0.0006 | 0.0107 | 0.0007 |
| | 5/13/2015 | 0.0003 | 0.0026 | 0.0018 | 0.0097 | 0.0005 |
| | 8/18/2015 | 0.0003 | 0.0031 | 0.0013 | 0.0009 | 0.0088 |
| | 11/17/2015 | 0.0004 | 0.0034 | 0.0008 | 0.0089 | 0.0006 |
| | 3/16/2016 | 0.0003* | 0.0027 | 0.0009* | 0.0088 | 0.0009* |
| | 10/12/2016 | 0.0004* | 0.0027 | 0.0022 | 0.0065 | 0.0013* |
| | 3/16/2017 | 0.0003* | 0.0031 | 0.0008* | 0.0069 | 0.0011* |
| | 10/12/2017 | 0.0005* | 0.0021 | 0.0007* | 0.0006* | 0.0013* |
| | 3/14/2018 | 0.0002* | 0.0028 | 0.0007* | 0.0004* | 0.0012* |
| | 10/17/2018 | < 0.0001 | 0.0027 | 0.0004* | 0.0064 | 0.0023 |
| | 3/19/2019 | 0.0001 | 0.0029 | 0.0013 | 0.0045 | 0.0057 |
| | 10/16/2019 | 0.0004* | 0.0022 | 0.0003* | 0.0028 | 0.0005* |
| | 3/18/2020 | 0.0007* | 0.0035 | 0.0007* | 0.0015* | 0.0011* |
| | 10/16/2020 | < 0.0006 | 0.0026 | < 0.0006 | 0.002 | 0.0009* |
| | 3/17/2021 | < 0.0006 | 0.0032 | 0.0008* | < 0.0006 | 0.0009* |
| | 10/20/2021 | < 0.0006 | 0.0017* | < 0.0006 | 0.002 | < 0.0006 |
| | 3/17/2022 | < 0.0006 | 0.0014* | < 0.0006 | < 0.0006 | < 0.0006 |
| | 10/18/2022 | 0.0009* | 0.0022 | 0.001* | 0.0011* | 0.0008* |
| | 3/14/2023 | 0.0025 | 0.004 | 0.0024 | 0.0026 | 0.0029 |
| | 10/18/2023 | 0.0006* | 0.0015* | 0.0009* | 0.0009* | 0.002 |
| | 3/18/2024 | 0.0006* | 0.0016* | 0.0011* | 0.0011* | 0.0009* |
| | 10/16/2024 | 0.0008* | 0.002 | 0.0012* | 0.0012* | 0.0012* |
| | 3/13/2025 | 0.0011* | 0.0029 | 0.0009* | 0.0016* | 0.0117 |
| | 10/15/2025 | 0.0003* | 0.001 | 0.0003* | 0.0005* | 0.0022 |
| Barium, mg/L (CAS NO - 7440-39-3) | 12/16/2009 | 0.241 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.241 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.111 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.111 | 0.0435 | 0.0492 | 0.0431 | 0.128 |
| | 3/16/2010 | 0.085 | 0.0416 | 0.0412 | 0.0343 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0826 |
| | 4/15/2010 | 0.113 | 0.0531 | 0.0491 | 0.0478 | 0.223 |
| | 5/17/2010 | 0.114 | 0.0554 | 0.0507 | 0.0476 | 0.116 |
| | 6/21/2010 | 0.115 | 0.0663 | 0.0636 | 0.0486 | 0.138 |
| | 7/16/2010 | 0.119 | 0.0749 | 0.0673 | 0.0512 | 0.132 |
| | 8/18/2010 | 0.132 | 0.116 | 0.077 | 0.153 | 0.136 |
| | 9/20/2010 | 0.0984 | 0.186 | 0.0971 | 0.51 | 0.112 |
| | 10/18/2010 | 0.118 | 0.262 | 0.197 | 0.208 | 0.133 |
| | 11/16/2010 | 0.107 | 0.336 | 0.11 | 0.0689 | 0.0484 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Barium, mg/L (CAS NO - 7440-39-3) | 12/16/2010 | 0.144 | 0.37 | 0.126 | 0.0979 | 0.0808 |
| | 1/13/2011 | 0.104 | 0.394 | 0.121 | 0.0752 | 0.0397 |
| | 2/16/2011 | 0.136 | 0.502 | 0.143 | 0.174 | 0.0909 |
| | 5/18/2011 | 0.119 | 0.532 | 0.157 | 0.217 | 0.147 |
| | 8/17/2011 | 0.107 | 0.511 | 0.198 | 0.228 | 0.0638 |
| | 10/17/2011 | 0.0877 | 0.041 | 0.0562 | 0.0675 | 0.0433 |
| | 1/18/2012 | 0.0954 | 0.464 | 0.215 | 0.356 | 0.103 |
| | 4/17/2012 | 0.113 | 0.511 | 0.258 | 0.456 | 0.126 |
| | 7/17/2012 | 0.0984 | 0.418 | 0.0388 | 0.425 | 0.247 |
| | 11/14/2012 | 0.107 | 0.487 | 0.295 | 0.549 | 0.136 |
| | 3/19/2013 | 0.107 | 0.534 | 0.317 | 0.582 | 0.184 |
| | 6/17/2013 | 0.134 | 0.431 | 0.332 | 0.712 | 0.0895 |
| | 9/17/2013 | 0.0978 | 0.466 | 0.291 | 0.639 | 0.109 |
| | 12/17/2013 | 0.104 | 0.484 | 0.3 | 0.694 | 0.0934 |
| | 2/17/2014 | 0.0832 | 0.537 | 0.297 | 0.715 | 0.064 |
| | 4/15/2014 | 0.114 | 0.552 | 0.284 | 0.614 | 0.172 |
| | 7/15/2014 | 0.118 | 0.285 | 0.439 | 0.562 | 0.411 |
| | 10/13/2014 | 0.115 | 0.477 | 0.335 | 0.569 | 0.122 |
| | 1/16/2015 | 0.108 | 0.543 | 0.335 | 0.611 | 0.111 |
| | 5/13/2015 | 0.131 | 0.505 | 0.327 | 0.438 | 0.109 |
| | 8/18/2015 | 0.113 | 0.554 | 0.329 | 0.171 | 0.388 |
| | 11/17/2015 | 0.115 | 0.545 | 0.331 | 0.416 | 0.131 |
| | 3/16/2016 | 0.133 | 0.582 | 0.287 | 0.402 | 0.0653 |
| | 10/12/2016 | 0.146 | 0.527 | 0.364 | 0.291 | 0.162 |
| | 3/16/2017 | 0.102 | 0.591 | 0.122 | 0.274 | 0.214 |
| | 10/12/2017 | 0.241 | 0.761 | 0.104 | 0.117 | 0.214 |
| | 3/14/2018 | 0.101 | 0.829 | 0.105 | 0.0953 | 0.279 |
| | 10/17/2018 | 0.118 | 0.792 | 0.0979 | 0.221 | 0.206 |
| | 3/19/2019 | 0.106 | 0.84 | 0.116 | 0.0992 | 1.05 |
| | 10/16/2019 | 0.14 | 0.812 | 0.0695 | 0.0973 | 0.0862 |
| | 3/18/2020 | 0.126 | 0.779 | 0.0721 | 0.098 | 0.0478 |
| | 10/16/2020 | 0.153 | 0.734 | 0.063 | 0.118 | 0.0906 |
| | 3/17/2021 | 0.0942 | 0.934 | 0.0845 | 0.118 | 0.254 |
| | 10/20/2021 | 0.111 | 0.591 | 0.0629 | 0.13 | 0.0641 |
| | 3/17/2022 | 0.0991 | 0.602 | 0.0682 | 0.133 | 0.0845 |
| | 10/18/2022 | 0.132 | 0.551 | 0.077 | 0.096 | 0.0934 |
| | 3/14/2023 | 0.267 | 1.08 | 0.162 | 0.18 | 0.203 |
| | 10/18/2023 | 0.116 | 0.371 | 0.0817 | 0.0957 | 0.109 |
| | 3/18/2024 | 0.0974 | 0.367 | 0.0995 | 0.103 | 0.0725 |
| | 10/16/2024 | 0.132 | 0.364 | 0.0827 | 0.0807 | 0.0938 |
| | 3/13/2025 | 0.104 | 0.413 | 0.0906 | 0.114 | 0.0734 |
| | 10/15/2025 | 0.16 | 0.259 | 0.0839 | 0.0772 | 0.0788 |
| Beryllium, mg/L (CAS NO - 7440-41-7) | 12/16/2009 | 0.0003 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.00005 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.00005 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0003 |
| | 3/16/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.00005 |
| | 4/15/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 5/17/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 6/21/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0006 |
| | 7/16/2010 | 0.0004 | 0.0004 | 0.0004 | 0.0006 | 0.0004 |
| | 8/18/2010 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | 9/20/2010 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0002 |
| | 10/18/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 11/16/2010 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 12/16/2010 | 0.0004 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 1/13/2011 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 2/16/2011 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 |
| | 5/18/2011 | 0.00005 | 0.0001 | 0.00005 | 0.00005 | 0.00009 |
| | 8/17/2011 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 10/17/2011 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 1/18/2012 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 4/17/2012 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0001 |
| | 7/17/2012 | 0.0002 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 11/14/2012 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 3/19/2013 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 6/17/2013 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 9/17/2013 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0001 |
| | 12/17/2013 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |

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Summary of Groundwater Chemistry
BMC Aggregates L.C. South Waterloo Quarry

| Total Metals Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Beryllium, mg/L (CAS NO - 7440-41-7) | 2/17/2014 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 4/15/2014 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0002 |
| | 7/15/2014 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | 0.0006 |
| | 10/13/2014 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 1/16/2015 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 5/13/2015 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 8/18/2015 | < 0.00005 | 0.00003 | 0.00003 | 0.0002 | 0.00004 |
| | 11/17/2015 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 | < 0.00005 |
| | 3/16/2016 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 |
| | 10/12/2016 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | 0.0002* |
| | 3/16/2017 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | 0.0002* |
| | 10/12/2017 | 0.00004* | < 0.00003 | < 0.00003 | < 0.00003 | 0.0003* |
| | 3/14/2018 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | 0.0003* |
| | 10/17/2018 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | 0.0002* |
| | 3/19/2019 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | 10/16/2019 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 | < 0.00003 |
| | 3/18/2020 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 10/16/2020 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 3/17/2021 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 10/20/2021 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 3/17/2022 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 10/18/2022 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 3/14/2023 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 10/18/2023 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0001* |
| | 3/18/2024 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 10/16/2024 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 3/13/2025 | < 0.00007 | < 0.00007 | < 0.00007 | < 0.00007 | < 0.00007 |
| 10/15/2025 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | |
| Boron, mg/L (CAS NO - 7440-42-8) | 12/16/2009 | < 0.004 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.004 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.004 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.019 | 0.059 | 0.058 | 0.036 | 0.045 |
| | 3/16/2010 | 0.059 | 0.168 | 0.048 | 0.115 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.012 |
| | 4/15/2010 | 0.022 | 0.047 | 0.067 | 0.046 | 0.014 |
| | 5/17/2010 | 0.043 | 0.085 | 0.088 | 0.066 | 0.039 |
| | 6/21/2010 | 0.021 | 0.047 | 0.064 | 0.043 | 0.011 |
| | 7/16/2010 | 0.016 | 0.048 | 0.069 | 0.048 | 0.013 |
| | 8/18/2010 | 0.028 | 0.05 | 0.071 | 0.065 | 0.026 |
| | 9/20/2010 | 0.063 | 0.092 | 0.134 | 0.087 | 0.076 |
| | 10/18/2010 | 0.029 | 0.035 | 0.08 | 0.058 | 0.046 |
| | 11/16/2010 | 0.032 | 0.049 | 0.06 | 0.067 | 0.071 |
| | 12/16/2010 | 0.03 | 0.05 | 0.069 | 0.051 | 0.067 |
| | 1/13/2011 | 0.032 | 0.062 | 0.074 | 0.058 | 0.073 |
| | 2/16/2011 | 0.04 | 0.066 | 0.084 | 0.064 | 0.047 |
| | 5/18/2011 | 0.004 | 0.039 | 0.052 | 0.033 | 0.015 |
| | 8/17/2011 | 0.018 | 0.047 | 0.066 | 0.042 | 0.396 |
| | 10/17/2011 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | 0.53 |
| | 1/18/2012 | 0.08 | 0.188 | 0.039 | 0.115 | 0.027 |
| | 4/17/2012 | 0.028 | 0.045 | 0.063 | 0.054 | 0.062 |
| | 7/17/2012 | 0.025 | 0.062 | 0.092 | 0.052 | 0.053 |
| | 11/14/2012 | 0.027 | 0.044 | 0.051 | 0.05 | 0.078 |
| | 3/19/2013 | 0.049 | 0.03 | 0.041 | 0.038 | 0.018 |
| | 6/17/2013 | 0.008 | 0.051 | 0.052 | 0.044 | 0.047 |
| | 9/17/2013 | 0.03 | 0.042 | 0.054 | 0.052 | 0.107 |
| | 12/17/2013 | 0.033 | 0.044 | 0.056 | 0.055 | 0.064 |
| | 2/17/2014 | 0.006 | < 0.004 | < 0.004 | < 0.004 | < 0.004 |
| | 4/15/2014 | 0.05 | 0.038 | 0.047 | 0.042 | 0.034 |
| | 7/15/2014 | 0.023 | 0.05 | 0.038 | 0.047 | 0.071 |
| | 10/13/2014 | 0.029 | 0.041 | 0.048 | 0.047 | 0.083 |
| | 1/16/2015 | 0.019 | 0.033 | 0.045 | 0.043 | 0.053 |
| | 5/13/2015 | 0.009 | 0.03 | 0.036 | 0.058 | 0.038 |
| | 8/18/2015 | 0.023 | 0.039 | 0.043 | 0.066 | 0.061 |
| | 11/17/2015 | 0.038 | 0.054 | 0.045 | 0.064 | 0.049 |
| | 3/16/2016 | 0.027* | 0.054* | 0.05* | 0.063* | 0.045* |
| | 10/12/2016 | 0.028* | 0.059* | 0.042* | 0.055* | 0.07* |
| | 3/16/2017 | 0.027* | 0.046* | 0.038* | 0.059* | 0.054* |
| | 10/12/2017 | 0.052* | 0.06* | 0.051* | 0.081* | 0.082* |
| 3/14/2018 | < 0.057 | < 0.057 | < 0.057 | < 0.057 | < 0.057 | |
| 10/17/2018 | < 0.057 | 0.064* | < 0.057 | 0.067* | 0.092* | |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|---------------|---------------|---------------|---------------|
| Total Metals Constituents | | | | | | |
| Boron, mg/L (CAS NO - 7440-42-8) | 3/19/2019 | < 0.057 | < 0.057 | < 0.057 | < 0.057 | 0.081 |
| | 10/16/2019 | < 0.057 | < 0.057 | < 0.057 | < 0.057 | < 0.057 |
| | 3/18/2020 | < 0.056 | 0.064* | < 0.056 | < 0.056 | 0.16 |
| | 10/16/2020 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 3/17/2021 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 10/20/2021 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 3/17/2022 | < 0.056 | < 0.056 | 0.058* | < 0.056 | < 0.056 |
| | 10/18/2022 | 0.089* | 0.062* | < 0.056 | < 0.056 | < 0.056 |
| | 3/14/2023 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 10/18/2023 | 0.058* | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 3/18/2024 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 10/16/2024 | < 0.056 | < 0.056 | < 0.056 | < 0.056 | < 0.056 |
| | 3/13/2025 | < 0.056 | < 0.056 | < 0.056 | 0.057* | < 0.056 |
| | 10/15/2025 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Cadmium, mg/L (CAS NO - 7440-43-9) | 12/16/2009 | 0.0007 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0002 | 0.0004 | < 0.0002 | < 0.0002 | 0.0004 |
| | 3/16/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.0002 |
| | 4/15/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 5/17/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 6/21/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 7/16/2010 | 0.0003 | 0.0003 | 0.0004 | 0.0005 | 0.0003 |
| | 8/18/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 9/20/2010 | 0.0003 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0001 |
| | 10/18/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 11/16/2010 | 0.0002 | 0.0003 | 0.0003 | 0.0005 | 0.0003 |
| | 12/16/2010 | 0.0108 | 0.0002 | 0.0003 | 0.0004 | 0.0008 |
| | 1/13/2011 | 0.0028 | 0.0002 | 0.0002 | 0.0003 | 0.0005 |
| | 2/16/2011 | 0.0044 | 0.0003 | 0.0003 | 0.0005 | 0.0004 |
| | 5/18/2011 | 0.0002 | 0.0002 | 0.0003 | 0.0004 | 0.0004 |
| | 8/17/2011 | < 0.0002 | 0.0003 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 10/17/2011 | 0.0004 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 1/18/2012 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 4/17/2012 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 7/17/2012 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 11/14/2012 | 0.0001 | 0.0001 | 0.0002 | 0.0008 | 0.0008 |
| | 3/19/2013 | 0.00009 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0001 |
| | 6/17/2013 | 0.0002 | < 0.0002 | 0.0001 | < 0.0002 | < 0.0002 |
| | 9/17/2013 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0001 |
| | 12/17/2013 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 2/17/2014 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 4/15/2014 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0002 |
| | 7/15/2014 | 0.0001 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0008 |
| | 10/13/2014 | 0.0001 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 1/16/2015 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| | 5/13/2015 | 0.0001 | < 0.0002 | < 0.0002 | 0.0002 | < 0.0002 |
| | 8/18/2015 | 0.0001 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0002 |
| | 11/17/2015 | 0.0001 | 0.0001 | < 0.0002 | 0.0002 | < 0.0002 |
| | 3/16/2016 | 0.00009* | < 0.00007 | < 0.00007 | 0.0001* | < 0.00007 |
| | 10/12/2016 | 0.00008* | < 0.00007 | 0.00009* | 0.00007* | < 0.00007 |
| | 3/16/2017 | 0.00007* | < 0.00007 | < 0.00007 | 0.0001* | < 0.00007 |
| | 10/12/2017 | 0.0002* | < 0.00007 | < 0.00007 | < 0.00007 | 0.00007* |
| | 3/14/2018 | 0.0001* | < 0.00007 | < 0.00007 | < 0.00007 | 0.00007* |
| | 10/17/2018 | 0.0003* | < 0.00007 | < 0.00007 | < 0.00007 | 0.00009* |
| | 3/19/2019 | 0.0002 | < 0.00007 | < 0.00007 | 0.0002 | 0.0002 |
| | 10/16/2019 | 0.0001* | < 0.00007 | < 0.00007 | < 0.00007 | < 0.00007 |
| | 3/18/2020 | 0.0001* | < 0.00008 | < 0.00008 | < 0.00008 | 0.00008* |
| | 10/16/2020 | < 0.00008 | < 0.00008 | < 0.00008 | 0.00009* | < 0.00008 |
| | 3/17/2021 | 0.00008* | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 10/20/2021 | < 0.00008 | < 0.00008 | < 0.00008 | 0.00008* | < 0.00008 |
| | 3/17/2022 | < 0.00008 | < 0.00008 | 0.0001* | < 0.00008 | < 0.00008 |
| | 10/18/2022 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 3/14/2023 | 0.00009* | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 10/18/2023 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 3/18/2024 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 10/16/2024 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 | < 0.00008 |
| | 3/13/2025 | 0.00008* | 0.00009* | < 0.00008 | < 0.00008 | < 0.00008 |
| | 10/15/2025 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Total Metals Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Chloride, mg/L (CAS NO - 16887-00-6) | 1/15/2010 | 53.6 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 20.3 | 44.6 | 43.4 | 25 | 33.2 |
| | 3/16/2010 | 24.6 | 23.7 | 21.2 | 28.1 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 16.5 |
| | 4/15/2010 | 20 | 19.5 | 16 | 25.1 | 17.2 |
| | 5/17/2010 | 20.4 | 31.9 | 16.5 | 21.4 | 17.4 |
| | 6/21/2010 | 20.4 | 19.3 | 16.4 | 20.6 | 17.8 |
| | 7/16/2010 | 25.5 | 22.7 | 17.3 | 23.8 | 15.7 |
| | 8/18/2010 | 29.9 | 28 | 27.3 | 27.2 | 24.9 |
| | 9/20/2010 | 27.1 | 25.9 | 26.2 | 29.7 | 26.6 |
| | 10/18/2010 | 21 | 17.4 | 14.9 | 19.6 | 18.2 |
| | 11/16/2010 | 15.2 | 15.4 | 15.1 | 20 | 17.9 |
| | 12/16/2010 | 13.8 | 15.8 | 15.2 | 20.2 | 23.8 |
| | 1/13/2011 | 14 | 15.2 | 15.6 | 21.1 | 19.6 |
| | 2/16/2011 | 19.3 | 18.9 | 16.8 | 22.5 | 15.4 |
| | 5/18/2011 | 28.7 | 17.5 | 23.2 | 20.7 | 24.8 |
| | 8/17/2011 | 13.4 | 14.4 | 13.5 | 16.7 | 26.4 |
| | 1/18/2012 | 16.2 | 14.9 | 14.8 | 19.1 | 17.4 |
| | 4/17/2012 | 17.6 | 14.7 | 14.1 | 18.7 | 18.7 |
| | 7/17/2012 | 12.7 | 11.4 | 35.2 | 13.7 | 9.3 |
| | 11/14/2012 | 21.1 | 19.1 | 16.6 | 22.6 | 27.6 |
| | 3/19/2013 | 19.4 | 15.1 | 11.3 | 19.7 | 14.7 |
| | 6/17/2013 | 24.3 | 11.7 | 11.1 | 18.1 | 18.4 |
| | 9/17/2013 | 19.4 | 12.1 | 11 | 19.4 | 30 |
| | 12/17/2013 | 18.3 | 11.8 | 10.3 | 16.8 | 17.1 |
| | 2/17/2014 | 19.6 | 13.7 | 13 | 19.4 | 18.6 |
| | 4/15/2014 | 20.6 | 12.9 | 11 | 18 | 21.7 |
| | 7/15/2014 | 26 | 13.7 | 11.1 | 19 | 23 |
| | 10/13/2014 | 22.2 | 14.2 | 10.5 | 18.9 | 19.9 |
| | 1/16/2015 | 26.8 | 14.7 | 11.5 | 20 | 23.2 |
| | 5/13/2015 | 30.1 | 13.6 | 10.2 | 2240 | 21.6 |
| | 8/18/2015 | 26.6 | 12.8 | 9.5 | 2000 | 24.6 |
| | 11/17/2015 | 21.6 | 14.1 | 9.8 | 1950 | 21.8 |
| | 3/16/2016 | 29 | 11 | 7.3 | 1570 | 22.7 |
| | 10/12/2016 | 27.2 | 11 | 9.3 | 1350 | 21.2 |
| | 3/16/2017 | 28.1 | 10.2 | 10.6 | 1250 | 21.7 |
| | 10/12/2017 | 23.6 | 9.3 | 11.6 | 29.1 | 16.3 |
| | 3/14/2018 | 25.6 | 9 | 11.8 | 28.5 | 11.8 |
| | 10/17/2018 | 17.9 | 10.4 | 11.9 | 578 | 16.7 |
| | 3/19/2019 | 20.7 | 9.4 | 13.9 | 112 | 14.4 |
| 10/16/2019 | 30.4 | 17.5 | 16.4 | 33.4 | 21.2 | |
| 3/18/2020 | 23.9 | 8.9 | 14.1 | 23.9 | 29.7 | |
| 10/16/2020 | 27.4 | 9.3 | 12.6 | 22.1 | 12.6 | |
| 3/17/2021 | 17.3 | 9 | 13.2 | 22.5 | 13.3 | |
| 10/20/2021 | 27.2 | 9.6 | 12.5 | 29.9 | 15.3 | |
| 3/17/2022 | 22.9 | 9.2 | 15.2 | 25.1 | 18.5 | |
| 10/18/2022 | 38.3 | 9.2 | 12.4 | 22 | 21 | |
| 3/14/2023 | 26.8 | 10.1 | 13.3 | 20.3 | 24.1 | |
| 10/18/2023 | 35 | 9.8 | 12.4 | 23.8 | 20 | |
| 3/18/2024 | 26.4 | N/A | 13.3 | N/A | N/A | |
| 3/13/2025 | 30.1 | 12.2 | 13.4 | 31.6 | 24.4 | |
| 10/15/2025 | 34 | 12.1 | 12.4 | 20.7 | 23.8 | |
| Chromium, mg/L (CAS NO - 7440-47-3) | 12/16/2009 | 0.0072 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0009 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0009 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | < 0.0009 | < 0.0009 | 0.0009 | < 0.0009 | < 0.0009 |
| | 3/16/2010 | 0.0038 | 0.0045 | 0.102 | 0.0044 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0031 |
| | 4/15/2010 | < 0.0009 | < 0.0009 | 0.0009 | < 0.0009 | < 0.0009 |
| | 5/17/2010 | < 0.0009 | 0.0027 | 0.0018 | 0.0021 | 0.0023 |
| | 6/21/2010 | 0.002 | 0.0061 | 0.0078 | 0.0361 | 0.012 |
| | 7/16/2010 | 0.0021 | 0.006 | 0.0026 | 0.0209 | 0.0027 |
| | 8/18/2010 | 0.001 | 0.0038 | 0.0157 | 0.0009 | 0.0012 |
| | 9/20/2010 | < 0.0009 | < 0.0009 | 0.017 | 0.0142 | 0.0131 |
| | 10/18/2010 | < 0.0009 | 0.0329 | 0.0168 | < 0.0009 | < 0.0009 |
| | 11/16/2010 | 0.0001 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 12/16/2010 | 0.0004 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 1/13/2011 | 0.0003 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 2/16/2011 | 0.0003 | 0.0002 | 0.00006 | 0.00006 | 0.00006 |
| | 5/18/2011 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Chromium, mg/L (CAS NO - 7440-47-3) | 8/17/2011 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 10/17/2011 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 1/18/2012 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 4/17/2012 | < 0.0009 | < 0.0009 | < 0.0009 | 0.0022 | < 0.0009 |
| | 7/17/2012 | 0.0046 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 11/14/2012 | 0.0102 | 0.0014 | 0.0013 | 0.0013 | 0.0019 |
| | 3/19/2013 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 6/17/2013 | 0.0064 | 0.0002 | 0.0009 | 0.0007 | < 0.0009 |
| | 9/17/2013 | 0.0005 | 0.0002 | 0.0002 | 0.0003 | 0.0017 |
| | 12/17/2013 | 0.0008 | < 0.0009 | 0.0002 | 0.0009 | 0.0009 |
| | 2/17/2014 | 0.0012 | 0.0002 | 0.0002 | 0.0007 | < 0.0009 |
| | 4/15/2014 | 0.0001 | 0.0001 | < 0.0009 | 0.0007 | 0.001 |
| | 7/15/2014 | 0.0006 | 0.0001 | < 0.0009 | 0.0005 | 0.0011 |
| | 10/13/2014 | 0.0019 | 0.0024 | 0.0001 | 0.0003 | 0.0007 |
| | 1/16/2015 | 0.0014 | 0.0002 | 0.0004 | 0.0006 | 0.0296 |
| | 5/13/2015 | 0.001 | < 0.0009 | < 0.0009 | 0.028 | 0.0014 |
| | 8/18/2015 | 0.0006 | < 0.0009 | < 0.0009 | 0.0021 | 0.0218 |
| | 11/17/2015 | 0.0007 | 0.0004 | 0.0004 | 0.012 | 0.0026 |
| | 3/16/2016 | 0.0017* | 0.0006* | 0.0005* | 0.0081 | 0.0007* |
| | 10/12/2016 | 0.0029 | < 0.0003 | 0.0004* | 0.0007* | 0.0007* |
| | 3/16/2017 | 0.0007* | 0.0004* | 0.0028 | 0.0016* | 0.0026 |
| | 10/12/2017 | 0.0048 | < 0.0003 | 0.0004* | 0.0006* | 0.0009* |
| | 3/14/2018 | 0.0003* | 0.0012* | 0.0003* | 0.0003* | 0.0011* |
| | 10/17/2018 | 0.0007* | < 0.0003 | 0.0014* | 0.0007* | 0.0018* |
| | 3/19/2019 | 0.0009 | 0.0019 | 0.0034 | 0.0149 | 0.0094 |
| | 10/16/2019 | 0.0011* | 0.0005* | 0.0003* | 0.0005* | 0.0018* |
| | 3/18/2020 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.001* |
| | 10/16/2020 | 0.001* | 0.0008* | < 0.0007 | 0.0007* | 0.0027 |
| | 3/17/2021 | < 0.0007 | 0.0008* | 0.0021 | 0.0007* | < 0.0007 |
| | 10/20/2021 | 0.0012* | < 0.0007 | 0.0008* | 0.002 | 0.001* |
| | 3/17/2022 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0015* |
| | 10/18/2022 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 3/14/2023 | 0.0012* | 0.0011* | 0.0009* | 0.0031 | 0.0022 |
| | 10/18/2023 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.005 |
| | 3/18/2024 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0008* |
| | 10/16/2024 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0009* |
| | 3/13/2025 | 0.0082 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 10/15/2025 | 0.0007* | 0.0003* | 0.0004* | 0.0004* | 0.0005* |
| Cobalt, mg/L (CAS NO - 7440-48-4) | 12/16/2009 | 0.0072 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.0072 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0003 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0002 | 0.0003 | 0.0003 | 0.0005 | 0.0007 |
| | 3/16/2010 | 0.0002 | 0.0007 | 0.0024 | 0.0005 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0008 |
| | 4/15/2010 | 0.0002 | 0.0003 | 0.0007 | 0.0004 | 0.0003 |
| | 5/17/2010 | 0.0001 | 0.0004 | 0.0005 | 0.0004 | 0.0002 |
| | 6/21/2010 | 0.0002 | 0.0007 | 0.0006 | 0.0012 | 0.0005 |
| | 7/16/2010 | 0.0003 | 0.0009 | 0.0005 | 0.0012 | 0.0004 |
| | 8/18/2010 | 0.0003 | 0.0005 | 0.0007 | 0.0025 | 0.0004 |
| | 9/20/2010 | 0.0002 | 0.0003 | 0.0007 | 0.0008 | 0.0007 |
| | 10/18/2010 | 0.0004 | 0.0005 | 0.0007 | 0.0003 | 0.0002 |
| | 11/16/2010 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 12/16/2010 | 0.004 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 1/13/2011 | 0.0019 | < 0.0009 | < 0.0009 | < 0.0009 | < 0.0009 |
| | 2/16/2011 | 0.0164 | 0.0009 | 0.0009 | 0.0009 | 0.0009 |
| | 5/18/2011 | 0.0009 | 0.0009 | 0.0009 | 0.0009 | 0.0009 |
| | 8/17/2011 | 0.0003 | 0.0004 | 0.0006 | 0.0008 | 0.0004 |
| | 10/17/2011 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | 1/18/2012 | 0.0002 | 0.0002 | 0.0003 | 0.0008 | 0.0003 |
| | 4/17/2012 | 0.0003 | 0.0003 | 0.0003 | 0.0009 | 0.0004 |
| | 7/17/2012 | 0.0033 | 0.0002 | 0.0006 | 0.0007 | 0.0003 |
| | 11/14/2012 | 0.0006 | 0.0002 | 0.0003 | 0.0008 | 0.0006 |
| | 3/19/2013 | 0.0004 | 0.0002 | 0.0002 | 0.0004 | 0.0006 |
| | 6/17/2013 | 0.0015 | < 0.0001 | 0.0001 | 0.0004 | 0.0002 |
| | 9/17/2013 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0003 | 0.0004 |
| | 12/17/2013 | 0.0001 | < 0.0001 | < 0.0001 | 0.0003 | 0.0004 |
| | 2/17/2014 | 0.0008 | 0.0007 | 0.00008 | 0.0003 | 0.0002 |
| | 4/15/2014 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0003 | 0.0003 |
| | 7/15/2014 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0002 | 0.0003 |
| | 10/13/2014 | 0.0005 | < 0.0001 | < 0.0001 | 0.0002 | 0.0003 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Total Metals Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|-----------------------------------|-----------------------------------|----------------|---------------|---------------|---------------|---------------|
| Cobalt, mg/L (CAS NO - 7440-48-4) | 1/16/2015 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0002 | 0.002 |
| | 5/13/2015 | 0.0001 | 0.0004 | 0.0007 | 0.0081 | 0.0002 |
| | 8/18/2015 | 0.0007 | 0.0004 | 0.0006 | 0.0002 | 0.0064 |
| | 11/17/2015 | 0.0009 | 0.0006 | < 0.0001 | 0.0045 | 0.0001 |
| | 3/16/2016 | 0.00008* | < 0.00004 | 0.00007* | 0.0035 | 0.00007* |
| | 10/12/2016 | 0.0001* | < 0.00004 | 0.0001* | 0.0071 | 0.0002* |
| | 3/16/2017 | 0.00008* | < 0.00004 | 0.00005* | 0.0073 | 0.0002* |
| | 10/12/2017 | 0.0002* | < 0.00004 | 0.00007* | 0.0001* | 0.0006* |
| | 3/14/2018 | 0.0001* | 0.00009* | 0.00005* | 0.0002* | 0.0002* |
| | 10/17/2018 | 0.0002* | 0.0002* | 0.0002* | 0.0003* | 0.0003* |
| | 3/19/2019 | 0.0001 | 0.0005 | 0.0002 | 0.0092 | 0.0018 |
| | 10/16/2019 | 0.00005* | 0.00005* | 0.00004* | 0.0006* | 0.0002* |
| | 3/18/2020 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0009* | < 0.0005 |
| | 10/16/2020 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0005* |
| | 3/17/2021 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| | 10/20/2021 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| | 3/17/2022 | 0.0006* | < 0.0005 | < 0.0005 | < 0.0005 | 0.0005* |
| | 10/18/2022 | 0.0013* | 0.0017* | 0.0014* | 0.0013* | 0.0016* |
| | 3/14/2023 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0007* | 0.0005* |
| | 10/18/2023 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0015* |
| | 3/18/2024 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| | 10/16/2024 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| | 3/13/2025 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| | 10/15/2025 | 0.00009* | < 0.0002 | 0.00007* | < 0.0002 | 0.00009* |
| | Copper, mg/L (CAS NO - 7440-50-8) | 12/16/2009 | 0.0214 | N/A | N/A | N/A |
| 12/16/2009 | | 0.0214 | N/A | N/A | N/A | N/A |
| 1/15/2010 | | 0.0054 | N/A | N/A | N/A | N/A |
| 2/18/2010 | | 0.003 | 0.0672 | 0.0941 | 0.0041 | 0.0081 |
| 3/16/2010 | | 0.0029 | 0.0147 | 0.0111 | 0.0069 | N/A |
| 3/23/2010 | | N/A | N/A | N/A | N/A | 0.0041 |
| 4/15/2010 | | 0.0018 | 0.0117 | 0.0031 | 0.0092 | 0.0083 |
| 5/17/2010 | | 0.0019 | 0.0164 | 0.0006 | 0.0077 | 0.0033 |
| 6/21/2010 | | 0.0062 | 0.0099 | 0.0032 | 2.56 | 0.764 |
| 7/16/2010 | | 0.0074 | 0.0106 | 0.0019 | 0.631 | 0.0248 |
| 8/18/2010 | | 0.0034 | 0.0036 | 0.0025 | 0.0033 | 0.016 |
| 9/20/2010 | | 0.0025 | 0.0014 | 0.0017 | 0.033 | 0.0047 |
| 10/18/2010 | | 0.0048 | 0.001 | 0.0029 | 0.0043 | 0.0054 |
| 11/16/2010 | | 0.0088 | 0.0018 | 0.0014 | 0.0162 | 0.0017 |
| 12/16/2010 | | 0.0584 | 0.0012 | 0.0018 | 0.0113 | 0.0015 |
| 1/13/2011 | | 0.0274 | 0.0005 | 0.0016 | 0.0032 | 0.0012 |
| 2/16/2011 | | 0.0194 | 0.0013 | 0.0013 | 0.0075 | 0.0011 |
| 5/18/2011 | | 0.0027 | 0.0004 | 0.0015 | 0.0017 | 0.0012 |
| 8/17/2011 | | 0.004 | 0.0011 | 0.0021 | 0.0077 | < 0.0004 |
| 10/17/2011 | | 0.0133 | < 0.0004 | < 0.0004 | < 0.0004 | 0.0025 |
| 1/18/2012 | | 0.0041 | < 0.0004 | 0.0008 | 0.0133 | 0.0191 |
| 4/17/2012 | | 0.002 | 0.0008 | < 0.0004 | 0.016 | < 0.0004 |
| 7/17/2012 | | 0.0228 | < 0.0004 | 0.0011 | 0.0079 | 0.0019 |
| 11/14/2012 | | 0.0072 | 0.0029 | 0.0018 | 0.0065 | 0.0031 |
| 3/19/2013 | | 0.118 | 0.0033 | 0.0026 | 0.0074 | 0.0033 |
| 6/17/2013 | | 0.0183 | 0.0031 | 0.0128 | 0.0101 | 0.0473 |
| 9/17/2013 | | 0.0043 | 0.0029 | 0.0023 | 0.0041 | 0.0058 |
| 12/17/2013 | | 0.0062 | 0.0015 | 0.0022 | 0.0068 | 0.0022 |
| 2/17/2014 | | 0.003 | 0.002 | 0.0023 | 0.0037 | 0.004 |
| 4/15/2014 | | 0.0238 | 0.0013 | 0.0011 | 0.0024 | 0.0043 |
| 7/15/2014 | | 0.0191 | 0.0011 | 0.0017 | 0.0032 | 0.0026 |
| 10/13/2014 | | 0.0261 | 0.0022 | 0.0022 | 0.0035 | 0.0033 |
| 1/16/2015 | | 0.0158 | 0.0025 | 0.0028 | 0.0042 | 0.0053 |
| 5/13/2015 | | 0.342 | 0.0017 | 0.001 | 0.0103 | 0.0017 |
| 8/18/2015 | | 0.0125 | 0.0013 | 0.0009 | 0.0021 | 0.0095 |
| 11/17/2015 | | 0.0945 | 0.0014 | 0.0011 | 0.0083 | 0.0035 |
| 3/16/2016 | | 0.0391 | 0.0015* | 0.0016* | 0.0116 | 0.0022 |
| 10/12/2016 | | 0.0241 | 0.0013* | 0.0048 | 0.0095 | 0.0056 |
| 3/16/2017 | | 0.0266 | 0.0036 | 0.0021 | 0.0059 | 0.0039 |
| 10/12/2017 | | 0.0927 | 0.0046 | 0.0043 | 0.0169 | 0.0045 |
| 3/14/2018 | | 0.688 | 0.0026 | 0.002 | 0.006 | 0.0064 |
| 10/17/2018 | | 0.0256 | 0.0056 | 0.005 | < 0.004 | < 0.004 |
| 3/19/2019 | | 0.0119 | 0.0043 | 0.0086 | 0.0149 | 0.0103 |
| 10/16/2019 | | 0.0538 | 0.0034 | 0.0015* | 0.0017* | 0.0024 |
| 3/18/2020 | | 0.0615 | 0.0028 | 0.002 | 0.0039 | 0.0055 |
| 10/16/2020 | 0.014 | 0.0032 | 0.0015* | 0.0032 | 0.0087 | |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Copper, mg/L (CAS NO - 7440-50-8) | 3/17/2021 | 0.0907 | 0.0027 | 0.0057 | 0.0041 | 0.003 |
| | 10/20/2021 | 0.0718 | 0.002 | 0.0026 | 0.0055 | 0.002 |
| | 3/17/2022 | 0.0293 | 0.002 | 0.0101 | 0.0023 | 0.0045 |
| | 10/18/2022 | 0.0235 | 0.0032 | 0.0032 | 0.0031 | 0.0034 |
| | 3/14/2023 | 0.082 | 0.0084 | 0.0041 | 0.0089 | 0.0068 |
| | 10/18/2023 | 0.0067 | 0.0032 | 0.003 | 0.0051 | 0.0073 |
| | 3/18/2024 | 0.0031 | 0.0056 | 0.0053 | 0.0027 | 0.0016* |
| | 10/16/2024 | 0.0408 | 0.0022 | 0.0023 | 0.0039 | 0.0063 |
| | 3/13/2025 | 0.0137 | 0.0028 | 0.002 | 0.0043 | 0.0038 |
| | 10/15/2025 | 0.0098 | 0.0026* | 0.0052 | 0.003* | 0.0029* |
| Fluoride, mg/L (CAS NO - 16984-48-8) | 3/19/2019 | 0.3 | 1 | 0.8 | < 0.2 | 0.2 |
| | 10/16/2019 | 0.2 | 1.7 | 1 | 0.6 | 0.3 |
| | 3/18/2020 | 0.4 | 0.9 | 0.7 | 0.6 | 0.3 |
| | 10/16/2020 | 0.2 | 0.8 | 0.6 | 0.5 | 0.2 |
| | 3/17/2021 | 0.8 | 0.9 | 0.7 | 0.6 | 0.7 |
| | 10/20/2021 | 0.2 | 0.7 | 0.6 | 0.5 | 0.2 |
| | 3/17/2022 | 0.2 | 0.9 | 0.7 | 0.5 | 0.3 |
| | 10/18/2022 | 0.3 | 1 | 0.8 | 0.7 | 0.5 |
| | 3/14/2023 | 0.5 | 0.9 | 0.7 | 0.2 | 0.5 |
| | 10/18/2023 | 0.3 | 0.9 | 0.7 | 0.6 | 0.3 |
| | 3/18/2024 | 0.3 | 0.9 | 0.8 | 0.5 | 0.2 |
| | 3/13/2025 | 0.4 | 0.9 | 0.8 | 0.6 | 0.3 |
| | 10/15/2025 | 0.3 | 1 | 0.9 | 0.6 | 0.2 |
| Iron, mg/L (CAS NO - 7439-89-6) | 1/15/2010 | 0.109 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.121 | 0.164 | 0.208 | 0.1 | 1.57 |
| | 3/16/2010 | 0.073 | 0.103 | 0.787 | 0.147 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.086 |
| | 4/15/2010 | 0.098 | 0.583 | 0.142 | 0.062 | 0.207 |
| | 5/17/2010 | 0.067 | 0.362 | 0.595 | 0.103 | 0.173 |
| | 6/21/2010 | < 0.038 | 1.29 | 0.819 | 0.668 | < 0.038 |
| | 7/16/2010 | < 0.038 | 1.65 | 0.373 | 1.02 | 0.252 |
| | 8/18/2010 | < 0.038 | 0.702 | 0.522 | 25.6 | 0.132 |
| | 9/20/2010 | < 0.038 | 0.741 | 1.49 | 1.29 | 0.552 |
| | 10/18/2010 | 0.343 | 0.496 | 3.34 | 18.5 | 0.13 |
| | 11/16/2010 | 0.187 | 0.638 | 0.492 | 2.05 | 0.256 |
| | 12/16/2010 | 6.02 | 0.28 | 0.445 | 3.38 | 1.35 |
| | 1/13/2011 | 1.33 | 0.146 | 0.271 | 1.21 | 0.118 |
| | 2/16/2011 | 2.9 | 0.226 | 0.333 | 8.42 | 0.066 |
| | 5/18/2011 | 0.038 | 0.415 | 0.193 | 14.2 | 0.385 |
| | 8/17/2011 | < 0.038 | 0.722 | 0.747 | 9.76 | < 0.038 |
| | 10/17/2011 | < 0.038 | 0.611 | 0.562 | 12.1 | < 0.038 |
| | 1/18/2012 | 0.22 | 0.673 | 0.184 | 14.1 | 0.181 |
| | 4/17/2012 | < 0.038 | 1.64 | 0.215 | 22.8 | 0.122 |
| | 7/17/2012 | 1.9 | 1.15 | 0.067 | 23.4 | 0.027 |
| | 11/14/2012 | 1.11 | 2.21 | 0.684 | 28.7 | 1.19 |
| | 3/19/2013 | 0.179 | 2.38 | 1.05 | 27.3 | 1.16 |
| | 6/17/2013 | 1.52 | 1.24 | 0.777 | 25.6 | 0.128 |
| | 9/17/2013 | < 0.038 | 2.03 | 0.521 | 23.7 | 0.707 |
| | 12/17/2013 | 0.136 | 0.543 | 0.447 | 18.4 | 0.268 |
| | 2/17/2014 | 0.267 | 1.71 | 0.249 | 22.4 | 0.257 |
| | 4/15/2014 | < 0.038 | 2.19 | 0.091 | 18.2 | 0.431 |
| | 7/15/2014 | 0.053 | 0.099 | 0.24 | 19.3 | 1.96 |
| | 10/13/2014 | 0.107 | 0.49 | 0.158 | 8.57 | 0.343 |
| | 1/16/2015 | 0.031 | 1.8 | 0.31 | 11.8 | 0.823 |
| | 5/13/2015 | 0.037 | 1.23 | 3.32 | 1.25 | 0.093 |
| | 8/18/2015 | 0.041 | 1.58 | 2.54 | 0.842 | 1.04 |
| | 11/17/2015 | 0.133 | 1.45 | 0.379 | 0.373 | 0.098 |
| | 3/16/2016 | 0.028* | 0.941 | 1.43 | 0.372 | 0.026* |
| | 10/12/2016 | 0.079* | 1.18 | 1.57 | 0.517 | 0.793 |
| | 3/16/2017 | 0.049* | 1.54 | 2.56 | 1.29 | 1.14 |
| | 10/12/2017 | 0.035* | 0.805 | 2.68 | 0.313 | 0.439 |
| | 3/14/2018 | < 0.057 | 1.53 | 2.28 | 0.387 | 1.77 |
| | 10/17/2018 | < 0.057 | 1.09 | 1.18 | 4.02 | 0.799 |
| | 3/19/2019 | 0.13 | 1.7 | 3.65 | 0.973 | 6.96 |
| 10/16/2019 | < 0.057 | 0.807 | 0.658 | 0.226 | 0.254 | |
| 3/18/2020 | < 0.047 | 1.41 | 1.71 | 0.671 | 0.112 | |
| 10/16/2020 | < 0.047 | 1.09 | 1.49 | 3 | 0.851 | |
| 3/17/2021 | < 0.047 | 0.813 | 0.697 | 0.073* | 0.056* | |
| 10/20/2021 | < 0.047 | 0.533 | 0.815 | 0.803 | 0.349 | |
| 3/17/2022 | < 0.047 | 0.624 | 0.177 | 0.083* | 0.385 | |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Iron, mg/L (CAS NO - 7439-89-6) | 10/18/2022 | < 0.047 | 0.249 | 0.188 | < 0.047 | < 0.047 |
| | 3/14/2023 | < 0.047 | 0.463 | 0.439 | 0.441 | 0.243 |
| | 10/18/2023 | < 0.047 | 0.265 | 0.573 | 0.055* | 2.43 |
| | 3/18/2024 | < 0.047 | 0.437 | 0.156 | 0.143 | 0.15 |
| | 10/16/2024 | < 0.047 | 0.736 | 1.02 | 0.154 | 0.275 |
| | 3/13/2025 | 0.92 | 0.677 | 0.914 | 0.084* | 0.056* |
| | 10/15/2025 | < 0.1 | 0.127 | 0.191 | < 0.1 | < 0.1 |
| Lead, mg/L (CAS NO - 7439-92-1) | 12/16/2009 | 0.0143 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.0143 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0008 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0005 | < 0.0002 | 0.0004 | < 0.0002 | 0.0032 |
| | 3/16/2010 | 0.0005 | 0.0003 | 0.0007 | 0.0008 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0002 |
| | 4/15/2010 | 0.0003 | 0.0015 | 0.0004 | 0.0005 | 0.0003 |
| | 5/17/2010 | 0.0008 | 0.0015 | 0.0013 | 0.001 | < 0.0002 |
| | 6/21/2010 | 0.0002 | 0.0008 | 0.0003 | 0.0008 | < 0.0002 |
| | 7/16/2010 | 0.0008 | 0.0013 | 0.0006 | 0.0014 | 0.0006 |
| | 8/18/2010 | < 0.0002 | < 0.0002 | 0.0002 | 0.0004 | 0.0002 |
| | 9/20/2010 | < 0.0002 | < 0.0002 | 0.0004 | 0.0003 | < 0.0002 |
| | 10/18/2010 | 0.0004 | < 0.0002 | 0.0005 | < 0.0002 | < 0.0002 |
| | 11/16/2010 | 0.0006 | 0.0003 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 12/16/2010 | 0.0243 | 0.0003 | 0.0003 | 0.0004 | 0.0033 |
| | 1/13/2011 | 0.0179 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 2/16/2011 | 0.0131 | 0.0003 | 0.0003 | 0.0003 | 0.0002 |
| | 5/18/2011 | 0.0003 | 0.0002 | 0.0003 | 0.0002 | 0.0042 |
| | 8/17/2011 | 0.0002 | < 0.0002 | 0.0003 | 0.0002 | < 0.0002 |
| | 10/17/2011 | 0.0011 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 1/18/2012 | 0.0002 | < 0.0002 | < 0.0002 | 0.0004 | 0.0011 |
| | 4/17/2012 | 0.0005 | 0.0005 | 0.0002 | 0.0007 | 0.0004 |
| | 7/17/2012 | 0.0029 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 11/14/2012 | 0.0075 | 0.0007 | 0.0005 | 0.0006 | 0.0083 |
| | 3/19/2013 | 0.002 | 0.0025 | 0.0011 | 0.0011 | 0.008 |
| | 6/17/2013 | 0.0161 | 0.0001 | 0.0038 | 0.0068 | 0.0087 |
| | 9/17/2013 | 0.0008 | 0.0007 | 0.0007 | 0.0005 | 0.0042 |
| | 12/17/2013 | 0.0006 | 0.0003 | 0.0003 | 0.0004 | 0.0015 |
| | 2/17/2014 | 0.0013 | 0.0003 | 0.0003 | 0.0003 | 0.0011 |
| | 4/15/2014 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.002 |
| | 7/15/2014 | 0.0013 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0103 |
| | 10/13/2014 | 0.0015 | 0.0004 | 0.0008 | 0.0003 | 0.0021 |
| | 1/16/2015 | 0.00012 | 0.0003 | < 0.0002 | 0.0004 | 0.0019 |
| | 5/13/2015 | 0.0173 | < 0.0002 | < 0.0002 | 0.00007 | 0.0005 |
| | 8/18/2015 | 0.0014 | 0.0002 | 0.0002 | 0.0028 | 0.0003 |
| | 11/17/2015 | 0.002 | 0.0002 | 0.00007 | 0.0002 | 0.0012 |
| | 3/16/2016 | 0.0013 | 0.0002* | 0.0001* | 0.0003* | 0.0004* |
| | 10/12/2016 | 0.0019 | 0.0001* | 0.0003* | 0.0002* | 0.0061 |
| | 3/16/2017 | 0.0011 | 0.0003* | 0.0003* | 0.0005* | 0.0041 |
| | 10/12/2017 | 0.0029 | 0.0001* | 0.0005* | 0.0006* | 0.0058 |
| | 3/14/2018 | 0.0151 | 0.0002* | 0.0002* | 0.0002* | 0.0078 |
| | 10/17/2018 | 0.0025 | < 0.0008 | < 0.0008 | < 0.0008 | 0.0028 |
| 3/19/2019 | 0.0014 | 0.0072 | 0.0206 | 0.0111 | 0.0274 | |
| 10/16/2019 | 0.0038 | 0.0003* | 0.0001* | 0.0001* | 0.0005* | |
| 3/18/2020 | 0.002 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | |
| 10/16/2020 | 0.0019 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0007* | |
| 3/17/2021 | 0.0074 | 0.0005* | 0.0008 | < 0.0005 | < 0.0005 | |
| 10/20/2021 | 0.0072 | 0.0009 | 0.0007* | 0.0021 | 0.0005* | |
| 3/17/2022 | 0.0015 | < 0.0005 | 0.0007* | < 0.0005 | 0.0006* | |
| 10/18/2022 | 0.002 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | |
| 3/14/2023 | 0.004 | 0.0008 | < 0.0005 | 0.0011 | 0.0009 | |
| 10/18/2023 | 0.0007* | < 0.0005 | < 0.0005 | < 0.0005 | 0.0023 | |
| 3/18/2024 | < 0.0005 | < 0.0005 | 0.0008 | < 0.0005 | < 0.0005 | |
| 10/16/2024 | 0.0051 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0008 | |
| 3/13/2025 | 0.0186 | 0.0008 | < 0.0005 | 0.0006* | < 0.0005 | |
| 10/15/2025 | 0.0006 | 0.0002* | < 0.0005 | < 0.0005 | 0.0002* | |
| Magnesium, mg/L (CAS NO - 7439-95-4) | 1/15/2010 | 21.9 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 21.3 | 60.2 | 58.5 | 32.6 | 39 |
| | 3/16/2010 | 20.5 | 54.7 | 38.6 | 36.5 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 20.7 |
| | 4/15/2010 | 22.4 | 53.6 | 41.3 | 35.4 | 22.1 |
| | 5/17/2010 | 21.5 | 56.6 | 40.1 | 33.3 | 20.3 |
| | 6/21/2010 | 22.2 | 52.9 | 42.1 | 35.7 | 3.87 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Magnesium, mg/L (CAS NO - 7439-95-4) | 7/16/2010 | 24.8 | 56.7 | 42.5 | 37.2 | 21.5 |
| | 8/18/2010 | 22.4 | 53.4 | 38.1 | 51.4 | 20.2 |
| | 9/20/2010 | 22.8 | 49.9 | 40.4 | 34.6 | 25.3 |
| | 10/18/2010 | 23.1 | 30.2 | 38.5 | 39.4 | 26.7 |
| | 11/16/2010 | 23.9 | 49.8 | 41.7 | 38.2 | 43.2 |
| | 12/16/2010 | 33 | 47.2 | 41.7 | 39.1 | 48 |
| | 1/13/2011 | 22.3 | 46.9 | 41.3 | 38.3 | 46.9 |
| | 2/16/2011 | 25.4 | 48.1 | 42.1 | 39 | 28.1 |
| | 5/18/2011 | 19.1 | 46.8 | 39.8 | 41.2 | 24.6 |
| | 8/17/2011 | 19.5 | 42 | 40.9 | 35.4 | 10.9 |
| | 10/17/2011 | 20.8 | 41.5 | 41 | 40.6 | 8.31 |
| | 1/18/2012 | 21.2 | 40.3 | 43.2 | 43.3 | 25 |
| | 4/17/2012 | 23 | 40.9 | 44 | 51.7 | 26.3 |
| | 7/17/2012 | 22.5 | 38.3 | 52.2 | 50.1 | 41.6 |
| | 11/14/2012 | 21.1 | 38.2 | 41 | 52.4 | 49.7 |
| | 3/19/2013 | 26.4 | 37.7 | 45.1 | 54.8 | 23.8 |
| | 6/17/2013 | 20.1 | 26.8 | 39.2 | 51.8 | 27.3 |
| | 9/17/2013 | 21.1 | 32.2 | 42.3 | 51.1 | 53.2 |
| | 12/17/2013 | 19.8 | 30.1 | 40.1 | 48.1 | 34.7 |
| | 2/17/2014 | 40.3 | 36.3 | 45.8 | 53.6 | 24.7 |
| | 4/15/2014 | 26.8 | 36 | 41.9 | 45.4 | 32.9 |
| | 7/15/2014 | 20.2 | 44 | 33.5 | 47.5 | 23.8 |
| | 10/13/2014 | 21 | 33.5 | 42.3 | 45 | 35.9 |
| | 1/16/2015 | 22.5 | 34.6 | 45.6 | 48.3 | 33.2 |
| | 5/13/2015 | 23.1 | 36.3 | 44.3 | 55.4 | 37 |
| | 8/18/2015 | 19.7 | 35.9 | 44.3 | 34.7 | 49.4 |
| | 11/17/2015 | 22.1 | 36.1 | 41.2 | 53.7 | 34.7 |
| | 3/16/2016 | 22.1 | 33.5 | 36.1 | 51.8 | 29.6 |
| | 10/12/2016 | 21.3 | 31.8 | 38.8 | 45.7 | 23 |
| | 3/16/2017 | 23.3 | 34.3 | 39.1 | 48.9 | 34.6 |
| | 10/12/2017 | 21.9 | 32.2 | 38.3 | 26.5 | 30.5 |
| | 3/14/2018 | 24 | 37.1 | 43 | 25.1 | 37.6 |
| | 10/17/2018 | 19.9 | 31.3 | 35.5 | 36.8 | 22.3 |
| | 3/19/2019 | 22.5 | 32 | 38.1 | 30.3 | 24.9 |
| | 10/16/2019 | 23.1 | 33.5 | 37.6 | 27.8 | 26.5 |
| | 3/18/2020 | 23.3 | 33 | 34.7 | 27.1 | 32 |
| | 10/16/2020 | 23.6 | 31.2 | 36.5 | 28.7 | 24.6 |
| | 3/17/2021 | 25.8 | 32.8 | 35 | 28.5 | 29.5 |
| | 10/20/2021 | 19.3 | 30.7 | 34.3 | 28.2 | 22 |
| | 3/17/2022 | 20.5 | 31.2 | 35.5 | 28.3 | 26.4 |
| | 10/18/2022 | 22.3 | 32.7 | 37.6 | 27.8 | 28.1 |
| | 3/14/2023 | 23.6 | 31.5 | 37 | 25.3 | 29.2 |
| | 10/18/2023 | 20.8 | 30.9 | 40.1 | 30.8 | 26.1 |
| | 3/18/2024 | 18.4 | 33.1 | 31.5 | 27.4 | 21.9 |
| | 10/16/2024 | 20.6 | 31.5 | 36.9 | 28.3 | 19.8 |
| | 3/13/2025 | 21.3 | 32.1 | 37.2 | 27.1 | 20.6 |
| | 10/15/2025 | 21.7 | 35.5 | 39.1 | 28.6 | 21.5 |
| Manganese, mg/L (CAS NO - 7439-96-5) | 12/16/2009 | 1.59 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 1.59 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0146 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0043 | 0.0065 | 0.0111 | 0.0254 | 0.0273 |
| | 3/16/2010 | 0.0059 | 0.0212 | 0.039 | 0.0198 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0093 |
| | 4/15/2010 | 0.0046 | 0.0174 | 0.0307 | 0.0186 | 0.0088 |
| | 5/17/2010 | 0.0043 | 0.0164 | 0.0733 | 0.0229 | 0.0092 |
| | 6/21/2010 | 0.0032 | 0.0578 | 0.0787 | 0.0548 | 0.003 |
| | 7/16/2010 | 0.0035 | 0.0795 | 0.0839 | 0.0588 | 0.0135 |
| | 8/18/2010 | < 0.0019 | 0.0633 | 0.0871 | 0.414 | 0.0076 |
| | 9/20/2010 | 0.0022 | 0.0513 | 0.0849 | 0.0965 | 0.0157 |
| | 10/18/2010 | 0.004 | 0.0531 | 0.0961 | 0.19 | 0.0079 |
| | 11/16/2010 | 0.0035 | 0.0456 | 0.0769 | 0.113 | 0.0033 |
| | 12/16/2010 | 0.159 | 0.0434 | 0.0844 | 0.139 | 0.0257 |
| | 1/13/2011 | 0.0823 | 0.0425 | 0.0833 | 0.126 | 0.0092 |
| | 2/16/2011 | 0.0684 | 0.0425 | 0.071 | 0.142 | 0.0046 |
| | 5/18/2011 | 0.0008 | 0.0402 | 0.0865 | 0.166 | 0.0051 |
| | 8/17/2011 | 0.0022 | 0.0407 | 0.0913 | 0.167 | 0.002 |
| | 10/17/2011 | 0.0021 | 0.0331 | 0.0726 | 0.139 | < 0.0019 |
| | 1/18/2012 | < 0.0019 | 0.0338 | 0.0547 | 0.173 | 0.0048 |
| | 4/17/2012 | 0.0051 | 0.0313 | 0.0734 | 0.148 | 0.0072 |
| | 7/17/2012 | 0.0548 | 0.0236 | 0.004 | 0.121 | 0.0416 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Manganese, mg/L (CAS NO - 7439-96-5) | 11/14/2012 | 0.017 | < 0.0019 | 0.033 | 0.0972 | 0.0157 |
| | 3/19/2013 | 0.0079 | 0.0232 | 0.0612 | 0.103 | 0.0203 |
| | 6/17/2013 | 0.049 | 0.0234 | 0.072 | 0.125 | 0.0057 |
| | 9/17/2013 | 0.0021 | 0.0226 | 0.0542 | 0.103 | 0.0261 |
| | 12/17/2013 | 0.0028 | 0.0065 | 0.0192 | 0.102 | 0.0268 |
| | 2/17/2014 | 0.0258 | 0.0159 | 0.0122 | 0.102 | 0.0755 |
| | 4/15/2014 | 0.0142 | 0.0187 | 0.0123 | 0.0828 | 0.0263 |
| | 7/15/2014 | 0.0078 | 0.0537 | 0.0266 | 0.0738 | 0.0205 |
| | 10/13/2014 | 0.0043 | 0.0257 | 0.0469 | 0.0732 | 0.0105 |
| | 1/16/2015 | 0.0028 | 0.0195 | 0.0214 | 0.0837 | 0.0224 |
| | 5/13/2015 | 0.0019 | 0.0169 | 0.0759 | 0.009 | 0.0036 |
| | 8/18/2015 | 0.0028 | 0.0221 | 0.0623 | 0.0063 | 0.009 |
| | 11/17/2015 | 0.0026 | 0.0198 | 0.0359 | 0.0053 | 0.0054 |
| | 3/16/2016 | 0.002* | 0.0192 | 0.0547 | 0.0173 | 0.0039* |
| | 10/12/2016 | 0.003* | 0.0153 | 0.0867 | 0.196 | 0.0076 |
| | 3/16/2017 | 0.0022* | 0.0167 | 0.0452 | 0.21 | 0.0096 |
| | 10/12/2017 | 0.008 | 0.0142 | 0.0421 | 0.0066 | 0.0133 |
| | 3/14/2018 | < 0.004 | 0.0131 | 0.0411 | 0.0053 | 0.0268 |
| | 10/17/2018 | 0.0037* | 0.0131 | 0.0397 | 0.0973 | 0.0082 |
| | 3/19/2019 | 0.0075 | 0.0198 | 0.0504 | 0.204 | 0.0719 |
| | 10/16/2019 | 0.0026* | 0.0129 | 0.0248 | 0.0241 | 0.0091 |
| | 3/18/2020 | 0.0028* | 0.0172 | 0.0284 | 0.0311 | 0.0039* |
| | 10/16/2020 | 0.0018* | 0.0164 | 0.0235 | 0.0307 | 0.0209 |
| | 3/17/2021 | 0.0211 | 0.0216 | 0.04 | 0.0034* | 0.02 |
| | 10/20/2021 | 0.0026* | 0.0114 | 0.0232 | 0.0352 | 0.0071 |
| | 3/17/2022 | 0.0025* | 0.0137 | 0.0148 | 0.0214 | 0.0131 |
| | 10/18/2022 | < 0.0017 | 0.0019* | 0.022 | 0.0027* | 0.004 |
| | 3/14/2023 | 0.0034* | 0.0142 | 0.0648 | 0.0299 | 0.0468 |
| | 10/18/2023 | < 0.0017 | 0.0055 | 0.0107 | 0.0072 | 0.0678 |
| | 3/18/2024 | < 0.0017 | 0.0087 | 0.0138 | 0.0108 | 0.0041 |
| | 10/16/2024 | 0.0027* | 0.0141 | 0.0392 | 0.0103 | 0.0172 |
| | 3/13/2025 | 0.0108 | 0.0317 | 0.0369 | 0.0087 | 0.0065 |
| | 10/15/2025 | 0.0022* | 0.0026* | 0.0054 | 0.0024* | 0.0031* |
| Mercury, mg/L (CAS NO - 7439-97-6) | 12/16/2009 | 0.00003 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.00002 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.00004 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.00008 | 0.00003 | 0.00005 | 0.00011 | 0.00016 |
| | 3/16/2010 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.00005 |
| | 4/15/2010 | 0.00003 | 0.00002 | < 0.00002 | 0.00004 | < 0.00002 |
| | 5/17/2010 | < 0.00002 | 0.00006 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 6/21/2010 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 7/16/2010 | 0.00008 | 0.00006 | 0.00007 | 0.00007 | 0.00013 |
| | 8/18/2010 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 9/20/2010 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 10/18/2010 | 0.00007 | 0.00002 | 0.00006 | < 0.00002 | < 0.00002 |
| | 11/16/2010 | 0.00003 | 0.00006 | 0.00003 | 0.00007 | 0.00008 |
| | 12/16/2010 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 1/13/2011 | 0.00003 | < 0.00002 | 0.00003 | 0.00005 | 0.00005 |
| | 2/16/2011 | 0.00007 | 0.00009 | 0.00008 | 0.00002 | 0.00007 |
| | 5/18/2011 | 0.00014 | 0.00002 | 0.00002 | 0.00002 | 0.00002 |
| | 8/17/2011 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 10/17/2011 | < 0.00002 | < 0.00002 | < 0.00002 | 0.00033 | < 0.00002 |
| | 1/18/2012 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | 0.00013 |
| | 4/17/2012 | < 0.00002 | 0.004 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 7/17/2012 | < 0.00002 | 0.00015 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 11/14/2012 | 0.00025 | 0.00032 | 0.00037 | 0.00027 | 0.00018 |
| | 3/19/2013 | 0.00013 | < 0.00002 | < 0.00002 | 0.00017 | 0.00023 |
| | 6/17/2013 | 0.00018 | 0.00019 | 0.00021 | 0.00022 | 0.00018 |
| | 9/17/2013 | < 0.00002 | 0.00024 | 0.00014 | < 0.00002 | 0.00008 |
| | 12/17/2013 | 0.00012 | 0.0001 | 0.00014 | 0.00015 | 0.00009 |
| | 2/17/2014 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 4/15/2014 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 7/15/2014 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 10/13/2014 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | 0.00014 |
| | 1/16/2015 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 5/13/2015 | < 0.00002 | < 0.00002 | < 0.00002 | 0.00014 | < 0.00002 |
| | 8/18/2015 | 0.00009 | 0.00011 | 0.00011 | 0.00011 | 0.0002 |
| | 11/17/2015 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 | < 0.00002 |
| | 3/16/2016 | < 0.00009 | < 0.00009 | < 0.00009 | < 0.00009 | < 0.00009 |

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Summary of Groundwater Chemistry
BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Mercury, mg/L (CAS NO - 7439-97-6) | | | | | | |
| | 10/12/2016 | < 0.00009 | < 0.00009 | < 0.00009 | < 0.00009 | < 0.00009 |
| | 3/16/2017 | < 0.00009 | < 0.00009 | < 0.00009 | 0.00015* | < 0.00009 |
| | 10/12/2017 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/14/2018 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| | 10/17/2018 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| | 3/19/2019 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| | 10/16/2019 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| | 3/18/2020 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| | 10/16/2020 | 0.00014* | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/17/2021 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 10/20/2021 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/17/2022 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 10/18/2022 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/14/2023 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 10/18/2023 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/18/2024 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 10/16/2024 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 3/13/2025 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| | 10/15/2025 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |
| Molybdenum, mg/L (CAS NO - 7439-98-7) | | | | | | |
| | 12/16/2009 | 0.002 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0001 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0008 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0006 | 0.017 | 0.0173 | 0.007 | 0.0081 |
| | 3/16/2010 | 0.0002 | 0.0063 | 0.0143 | 0.0076 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0024 |
| | 4/15/2010 | 0.0004 | 0.0075 | 0.0133 | 0.0104 | 0.0021 |
| | 5/17/2010 | 0.0003 | 0.0145 | 0.0119 | 0.0104 | 0.0016 |
| | 6/21/2010 | 0.0007 | 0.0073 | 0.0067 | 0.0937 | 0.023 |
| | 7/16/2010 | 0.0007 | 0.0067 | 0.0057 | 0.0319 | 0.0022 |
| | 8/18/2010 | 0.0004 | 0.0022 | 0.0036 | 0.0006 | 0.0029 |
| | 9/20/2010 | 0.0008 | 0.0021 | 0.0024 | 0.0039 | 0.0053 |
| | 10/18/2010 | 0.0005 | 0.0009 | 0.0036 | 0.0005 | 0.0048 |
| | 11/16/2010 | 0.0006 | 0.0005 | 0.0015 | 0.0031 | 0.0073 |
| | 12/16/2010 | 0.0004 | 0.0002 | 0.0016 | 0.0019 | 0.0082 |
| | 1/13/2011 | 0.0005 | 0.0001 | 0.0013 | 0.001 | 0.0076 |
| | 2/16/2011 | 0.0009 | 0.0004 | 0.0014 | 0.001 | 0.0023 |
| | 5/18/2011 | 0.0003 | 0.0001 | 0.0006 | 0.0002 | 0.0024 |
| | 8/17/2011 | 0.0007 | 0.0003 | 0.0015 | 0.001 | 0.0399 |
| | 10/17/2011 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0644 |
| | 1/18/2012 | 0.0009 | 0.0018 | 0.0012 | 0.0014 | 0.0057 |
| | 4/17/2012 | 0.0009 | 0.0002 | 0.0002 | 0.0009 | 0.0077 |
| | 7/17/2012 | 0.0007 | < 0.0001 | 0.0121 | 0.001 | 0.0005 |
| | 11/14/2012 | 0.0012 | 0.0005 | < 0.0001 | 0.0006 | 0.0119 |
| | 3/19/2013 | 0.0047 | 0.0005 | < 0.0001 | 0.0006 | 0.0035 |
| | 6/17/2013 | 0.0007 | 0.0003 | 0.0006 | 0.0009 | 0.0046 |
| | 9/17/2013 | 0.0006 | < 0.0001 | 0.0004 | 0.0005 | 0.0156 |
| | 12/17/2013 | 0.001 | < 0.0001 | 0.0004 | 0.0006 | 0.0053 |
| | 2/17/2014 | 0.0078 | 0.0004 | 0.0006 | 0.0006 | 0.0035 |
| | 4/15/2014 | 0.0057 | 0.0003 | 0.0006 | 0.0005 | 0.0075 |
| | 7/15/2014 | 0.0003 | 0.0004 | < 0.0001 | 0.0003 | 0.0117 |
| | 10/13/2014 | 0.0009 | 0.0008 | 0.0007 | 0.0004 | 0.0094 |
| | 1/16/2015 | 0.0009 | < 0.0001 | 0.0007 | 0.0003 | 0.006 |
| | 5/13/2015 | 0.0008 | 0.0001 | 0.0004 | 0.0208 | 0.0013 |
| | 8/18/2015 | 0.0006 | 0.0003 | 0.0004 | 0.0034 | 0.0152 |
| | 11/17/2015 | 0.0016 | 0.008 | 0.0009 | 0.0125 | 0.002 |
| | 3/16/2016 | 0.0004* | 0.0001* | 0.0012* | 0.0114 | 0.0155 |
| | 10/12/2016 | 0.0006* | < 0.00006 | 0.021 | 0.0074 | 0.0285 |
| | 3/16/2017 | 0.0005* | < 0.00006 | 0.0003* | 0.0076 | 0.0086 |
| | 10/12/2017 | 0.0055 | < 0.00006 | 0.0002* | 0.0039 | 0.0036 |
| | 3/14/2018 | < 0.0019 | < 0.0019 | < 0.0019 | 0.0031 | < 0.0019 |
| | 10/17/2018 | 0.0006* | 0.0001* | 0.0003* | 0.0009* | 0.0586 |
| | 3/19/2019 | < 0.002 | < 0.002 | < 0.002 | 0.0081 | 0.0083 |
| | 10/16/2019 | 0.003 | 0.0001* | 0.0005* | 0.0089 | 0.0154 |
| | 3/18/2020 | 0.0011* | < 0.0006 | < 0.0006 | 0.009 | 0.0755 |
| | 10/16/2020 | 0.0014* | < 0.0006 | < 0.0006 | 0.0051 | 0.0023 |
| | 3/17/2021 | 0.0015* | 0.0009* | 0.0008* | 0.0051 | 0.0008* |
| | 10/20/2021 | 0.0035 | < 0.0006 | < 0.0006 | 0.0023 | 0.0024 |
| | 3/17/2022 | 0.0011* | < 0.0006 | < 0.0006 | 0.0063 | 0.0021 |
| | 10/18/2022 | 0.0066 | < 0.0006 | < 0.0006 | 0.0047 | 0.0043 |
| | 3/14/2023 | 0.0044 | < 0.0006 | < 0.0006 | 0.006 | 0.0091 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Molybdenum, mg/L (CAS NO - 7439-98-7) | 10/18/2023 | 0.0063 | 0.001* | < 0.0006 | 0.0028 | 0.004 |
| | 3/18/2024 | 0.0031 | < 0.0006 | 0.0043 | 0.0043 | 0.0031 |
| | 10/16/2024 | 0.0189 | 0.0006* | < 0.0006 | 0.0038 | 0.0031 |
| | 3/13/2025 | 0.0031 | < 0.0006 | < 0.0006 | 0.012 | 0.004 |
| | 10/15/2025 | 0.0026 | < 0.001 | < 0.001 | 0.0032 | 0.0033 |
| Nickel, mg/L (CAS NO - 7440-02-0) | 12/16/2009 | 0.0417 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.0417 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0052 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0039 | 0.0045 | 0.0049 | 0.0072 | 0.0077 |
| | 3/16/2010 | 0.0034 | 0.0062 | 0.0632 | 0.0066 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0085 |
| | 4/15/2010 | 0.0028 | 0.0041 | 0.005 | 0.0089 | 0.0041 |
| | 5/17/2010 | 0.0033 | 0.0067 | 0.0048 | 0.0079 | 0.0051 |
| | 6/21/2010 | 0.0042 | 0.0069 | 0.0074 | 0.0254 | 0.0091 |
| | 7/16/2010 | 0.0048 | 0.0078 | 0.0072 | 0.0246 | 0.0058 |
| | 8/18/2010 | 0.0253 | 0.0055 | 0.0112 | 0.0088 | 0.0054 |
| | 9/20/2010 | 0.004 | 0.0045 | 0.0128 | 0.0135 | 0.0124 |
| | 10/18/2010 | 0.0032 | 0.0156 | 0.0119 | 0.0034 | 0.005 |
| | 11/16/2010 | 0.0033 | 0.003 | 0.0032 | 0.0073 | 0.0068 |
| | 12/16/2010 | 0.0238 | 0.0039 | 0.0045 | 0.0075 | 0.0121 |
| | 1/13/2011 | 0.0092 | 0.0027 | 0.0033 | 0.0055 | 0.0119 |
| | 2/16/2011 | 0.0188 | 0.0031 | 0.0034 | 0.0061 | 0.0047 |
| | 5/18/2011 | 0.005 | 0.0041 | 0.0044 | 0.007 | 0.0061 |
| | 8/17/2011 | 0.0048 | 0.005 | 0.0059 | 0.0079 | 0.0052 |
| | 10/17/2011 | 0.0037 | 0.0035 | 0.0037 | 0.0078 | 0.0046 |
| | 1/18/2012 | 0.0025 | 0.0025 | 0.0027 | 0.007 | 0.0035 |
| | 4/17/2012 | 0.0057 | 0.005 | 0.0054 | 0.0131 | 0.0087 |
| | 7/17/2012 | 0.0232 | 0.0027 | 0.0149 | 0.0095 | 0.0086 |
| | 11/14/2012 | 0.0089 | 0.0049 | 0.0052 | 0.0099 | 0.0147 |
| | 3/19/2013 | 0.0041 | 0.0036 | 0.0043 | 0.0064 | 0.0046 |
| | 6/17/2013 | 0.007 | 0.0008 | 0.0023 | 0.0027 | 0.0015 |
| | 9/17/2013 | 0.0006 | 0.0008 | 0.0009 | 0.0022 | 0.012 |
| | 12/17/2013 | 0.0008 | 0.0006 | 0.0009 | 0.0029 | 0.0069 |
| | 2/17/2014 | 0.0104 | 0.0006 | 0.001 | 0.003 | 0.0008 |
| | 4/15/2014 | 0.0016 | 0.0005 | 0.0006 | 0.003 | 0.0064 |
| | 7/15/2014 | 0.0009 | 0.0009 | 0.0011 | 0.0028 | 0.004 |
| | 10/13/2014 | 0.0026 | 0.0024 | 0.0011 | 0.0047 | 0.0051 |
| | 1/16/2015 | 0.0015 | 0.0009 | 0.001 | 0.0029 | 0.0787 |
| | 5/13/2015 | 0.0051 | < 0.0001 | < 0.0001 | 0.0431 | 0.0018 |
| | 8/18/2015 | 0.0021 | 0.0015 | 0.0016 | 0.0034 | 0.0446 |
| | 11/17/2015 | 0.0014 | 0.0012 | 0.0006 | 0.0484 | 0.0032 |
| | 3/16/2016 | 0.0018* | 0.0009* | 0.0014* | 0.0477 | 0.0013* |
| | 10/12/2016 | 0.0019* | 0.0012* | 0.0017* | 0.0391 | 0.002* |
| | 3/16/2017 | 0.001* | 0.0019* | 0.0009* | 0.0424 | 0.0024* |
| | 10/12/2017 | 0.0039* | 0.001* | 0.0019* | 0.0015* | 0.0044 |
| | 3/14/2018 | 0.0094 | 0.0007* | 0.0063 | 0.0026* | 0.0021* |
| | 10/17/2018 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 |
| | 3/19/2019 | 0.0015 | 0.0021 | 0.0032 | 0.0675 | 0.0109 |
| | 10/16/2019 | 0.0011* | 0.0011* | 0.0008* | 0.0102 | 0.0027* |
| | 3/18/2020 | 0.003* | 0.0011* | 0.001* | 0.0167 | 0.0033* |
| 10/16/2020 | < 0.0007 | 0.0007* | < 0.0007 | 0.0069 | 0.0024* | |
| 3/17/2021 | 0.0026* | 0.0015* | 0.0012* | 0.0064 | 0.0021* | |
| 10/20/2021 | 0.0015* | < 0.0007 | < 0.0007 | 0.0034* | 0.0012* | |
| 3/17/2022 | 0.0011* | 0.0007* | 0.0014* | 0.0021* | 0.0036* | |
| 10/18/2022 | < 0.0007 | < 0.0007 | < 0.0007 | 0.006 | 0.0067 | |
| 3/14/2023 | 0.0034* | 0.0044 | 0.0017* | 0.0046 | 0.0146 | |
| 10/18/2023 | 0.0018* | 0.0013* | 0.0012* | 0.0026* | 0.0061 | |
| 3/18/2024 | < 0.0007 | 0.0011* | 0.0021* | 0.002* | 0.0013* | |
| 10/16/2024 | 0.0012* | 0.0008* | 0.0009* | 0.003* | 0.0024* | |
| 3/13/2025 | 0.0017* | 0.0017* | 0.0007* | 0.0023* | 0.0026* | |
| 10/15/2025 | 0.0011 | 0.0023 | 0.0008* | 0.0012 | 0.0018 | |
| Selenium, mg/L (CAS NO - 7782-49-2) | 12/16/2009 | 0.0012 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0011 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.001 | < 0.0002 | < 0.0002 | 0.0014 | < 0.0002 |
| | 3/16/2010 | 0.0012 | < 0.0002 | 0.0002 | 0.0017 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0003 |
| | 4/15/2010 | 0.0018 | < 0.0002 | < 0.0002 | 0.0019 | 0.0013 |
| | 5/17/2010 | 0.0015 | 0.0002 | < 0.0002 | 0.0017 | 0.0011 |
| 6/21/2010 | 0.0012 | 0.0002 | < 0.0002 | 0.0007 | 0.0009 | |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Total Metals Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|-------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Selenium, mg/L (CAS NO - 7782-49-2) | 7/16/2010 | 0.0016 | 0.0002 | 0.0004 | 0.0012 | 0.0013 |
| | 8/18/2010 | 0.0012 | < 0.0002 | 0.0006 | < 0.0002 | 0.001 |
| | 9/20/2010 | 0.0013 | < 0.0002 | 0.0002 | < 0.0002 | 0.0006 |
| | 10/18/2010 | 0.0012 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0011 |
| | 11/16/2010 | 0.0007 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 12/16/2010 | 0.0021 | 0.0004 | 0.0004 | 0.0003 | < 0.0002 |
| | 1/13/2011 | 0.002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 2/16/2011 | 0.0022 | 0.0002 | 0.0002 | 0.0002 | 0.0012 |
| | 5/18/2011 | 0.0034 | 0.0011 | 0.0009 | 0.0008 | 0.0019 |
| | 8/17/2011 | 0.0016 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0084 |
| | 10/17/2011 | 0.0037 | 0.0089 | 0.0028 | 0.0209 | 0.0109 |
| | 1/18/2012 | 0.0036 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0049 |
| | 4/17/2012 | 0.0037 | 0.0006 | < 0.0002 | 0.0007 | 0.0042 |
| | 7/17/2012 | 0.0032 | 0.0005 | 0.0018 | 0.0008 | 0.0006 |
| | 11/14/2012 | 0.0028 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 3/19/2013 | 0.0034 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0015 |
| | 6/17/2013 | 0.0021 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0029 |
| | 9/17/2013 | 0.0022 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0015 |
| | 12/17/2013 | 0.0032 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0014 |
| | 2/17/2014 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 4/15/2014 | 0.0032 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0013 |
| | 7/15/2014 | 0.0007 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0017 |
| | 10/13/2014 | 0.0018 | < 0.0002 | < 0.0002 | 0.0006 | 0.0011 |
| | 1/16/2015 | 0.0021 | 0.0005 | 0.0004 | < 0.0002 | 0.0014 |
| | 5/13/2015 | 0.0019 | < 0.0002 | < 0.0002 | 0.0034 | 0.0012 |
| | 8/18/2015 | 0.0017 | < 0.0002 | < 0.0002 | 0.0017 | 0.003 |
| | 11/17/2015 | 0.0031 | < 0.0002 | < 0.0002 | 0.0023 | < 0.0002 |
| | 3/16/2016 | 0.0027* | < 0.0011 | < 0.0011 | 0.0021* | 0.0018* |
| | 10/12/2016 | 0.003* | < 0.0011 | 0.0039* | 0.0027* | 0.0033* |
| | 3/16/2017 | 0.0025* | < 0.0011 | < 0.0011 | 0.0015* | 0.0018* |
| | 10/12/2017 | 0.007 | < 0.0011 | < 0.0011 | 0.004 | 0.0028* |
| | 3/14/2018 | 0.0022* | < 0.0011 | < 0.0011 | 0.0018* | < 0.0011 |
| | 10/17/2018 | 0.0037* | 0.0023* | 0.0019* | 0.0012* | 0.0047 |
| | 3/19/2019 | < 0.0011 | < 0.0011 | < 0.0011 | 0.0019 | 0.0044 |
| | 10/16/2019 | 0.0029* | < 0.0011 | < 0.0011 | 0.0011* | 0.0012* |
| | 3/18/2020 | 0.0013* | < 0.0011 | < 0.0011 | 0.0012* | 0.0065 |
| | 10/16/2020 | 0.0017* | 0.0013* | < 0.0011 | 0.0018* | 0.0016* |
| | 3/17/2021 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 |
| | 10/20/2021 | 0.0015* | < 0.0011 | < 0.0011 | < 0.0011 | 0.0016* |
| | 3/17/2022 | 0.0015* | < 0.0011 | < 0.0011 | < 0.0011 | 0.0011* |
| | 10/18/2022 | 0.002* | < 0.0011 | 0.0024* | < 0.0011 | < 0.0011 |
| | 3/14/2023 | 0.0037* | < 0.0011 | < 0.0011 | 0.0056 | 0.0029* |
| | 10/18/2023 | 0.0035* | < 0.0011 | < 0.0011 | 0.0014* | 0.0036* |
| | 3/18/2024 | 0.0039* | < 0.0011 | 0.0011* | < 0.0011 | 0.0032* |
| | 10/16/2024 | 0.0023* | < 0.0011 | < 0.0011 | < 0.0011 | 0.0026* |
| 3/13/2025 | 0.0031* | < 0.0011 | < 0.0011 | 0.003* | 0.0027* | |
| 10/15/2025 | 0.0012* | < 0.002 | < 0.002 | < 0.002 | 0.0039 | |
| Silver, mg/L (CAS NO - 7440-22-4) | 12/16/2009 | < 0.0012 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0012 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0012 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 3/16/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.0012 |
| | 4/15/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 5/17/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 6/21/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 7/16/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 8/18/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 9/20/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 10/18/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 11/16/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 12/16/2010 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 1/13/2011 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 2/16/2011 | 0.00008 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | 5/18/2011 | 0.0012 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | 8/17/2011 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 10/17/2011 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 1/18/2012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 4/17/2012 | < 0.0012 | 0.00009 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 7/17/2012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Silver, mg/L (CAS NO - 7440-22-4) | 11/14/2012 | < 0.0012 | 0.0003 | 0.0003 | 0.0004 | < 0.0012 |
| | 3/19/2013 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 6/17/2013 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 9/17/2013 | < 0.0012 | < 0.0012 | < 0.0012 | 0.0001 | < 0.0012 |
| | 12/17/2013 | < 0.0012 | 0.0001 | < 0.0012 | 0.0003 | < 0.0012 |
| | 2/17/2014 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 4/15/2014 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 7/15/2014 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 10/13/2014 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 1/16/2015 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| | 5/13/2015 | < 0.0012 | < 0.0012 | < 0.0012 | 0.0001 | < 0.0012 |
| | 8/18/2015 | < 0.0012 | < 0.0012 | < 0.0012 | 0.00005 | 0.0001 |
| | 11/17/2015 | < 0.0012 | 0.00004 | < 0.0012 | 0.00009 | < 0.0012 |
| | 3/16/2016 | < 0.00004 | < 0.00004 | < 0.00004 | < 0.00004 | < 0.00004 |
| | 10/12/2016 | 0.0013* | 0.0014* | 0.0014* | 0.0014* | 0.0013* |
| | 3/16/2017 | 0.0004* | 0.0005* | 0.0004* | 0.0004* | 0.0004* |
| | 10/12/2017 | 0.0009* | 0.0009* | 0.0014* | 0.001* | 0.0009* |
| | 3/14/2018 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 10/17/2018 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | 3/19/2019 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | 10/16/2019 | < 0.0019 | < 0.0019 | < 0.0019 | < 0.0019 | < 0.0019 |
| | 3/18/2020 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 |
| | 10/16/2020 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 |
| | 3/17/2021 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 10/20/2021 | < 0.0025 | < 0.0002 | < 0.0002 | < 0.0025 | < 0.0025 |
| | 3/17/2022 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 | < 0.0008 |
| | 10/18/2022 | < 0.0015 | < 0.0015 | 0.0023 | < 0.0015 | < 0.0015 |
| | 3/14/2023 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 |
| | 10/18/2023 | < 0.0015 | < 0.0015 | 0.0019* | < 0.0015 | < 0.0015 |
| | 3/18/2024 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 |
| | 10/16/2024 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 |
| | 3/13/2025 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 |
| | 10/15/2025 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Sulfate, mg/L (CAS NO - 14808-79-8) | 1/15/2010 | 509 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 40.5 | 141 | 134 | 101 | 228 |
| | 3/16/2010 | 17.5 | 139 | 62.6 | 86.7 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 41.8 |
| | 4/15/2010 | 25.4 | 141 | 68 | 88.2 | 28.7 |
| | 5/17/2010 | 24.1 | 138 | 57.8 | 90.8 | 19.3 |
| | 6/21/2010 | 29.8 | 126 | 39.5 | 92.3 | 18 |
| | 7/16/2010 | 27.8 | 103 | 37.3 | 82.6 | 17.1 |
| | 8/18/2010 | 54.4 | 100 | 69 | 0.7 | 53.4 |
| | 9/20/2010 | 40.9 | 56.9 | 34.1 | 69.3 | 118 |
| | 10/18/2010 | 34 | 32.2 | 10.5 | 0.3 | 147 |
| | 11/16/2010 | 35.3 | 21.6 | 25.8 | 49.4 | 275 |
| | 12/16/2010 | 35.1 | 14.3 | 26.6 | 22.5 | 385 |
| | 1/13/2011 | 36.5 | 10.5 | 28.5 | 40 | 422 |
| | 2/16/2011 | 26.2 | 14.1 | 28.4 | 11.6 | 128 |
| | 5/18/2011 | 23.2 | 7.8 | 28.1 | 0.7 | 123 |
| | 8/17/2011 | 33.9 | 3 | 17.7 | 0.7 | 197 |
| | 1/18/2012 | 39.3 | 1.3 | 13.6 | 1 | 101 |
| | 4/17/2012 | 40.9 | 2.1 | 11.6 | 2.1 | 122 |
| | 7/17/2012 | 36.4 | 2.9 | 529 | 6.6 | 12.9 |
| | 11/14/2012 | 40.4 | 13.9 | 28.2 | 16.1 | 443 |
| | 3/19/2013 | 120 | 1.5 | 26.2 | 2.1 | 104 |
| | 6/17/2013 | 22.3 | 1.7 | 25.9 | 6.4 | 124 |
| | 9/17/2013 | 34.5 | 2.3 | 27.4 | 4.1 | 545 |
| | 12/17/2013 | 38.4 | 2.8 | 26.8 | 2 | 257 |
| | 2/17/2014 | 315 | 2.4 | 37.2 | 2.2 | 115 |
| | 4/15/2014 | 137 | 0.9 | 33.8 | 9.7 | 334 |
| | 7/15/2014 | 23.2 | 2.5 | 36.4 | 14.2 | 257 |
| | 10/13/2014 | 40 | 2.2 | 38.4 | 10.6 | 288 |
| | 1/16/2015 | 50.7 | < 8 | 39.9 | 7.6 | 259 |
| | 5/13/2015 | 27.3 | 1.9 | 43.5 | 100 | 300 |
| | 8/18/2015 | 32.2 | 1.8 | 56.5 | 134 | 320 |
| | 11/17/2015 | 285 | 2.2 | 58 | 174 | 285 |
| | 3/16/2016 | 24.3 | 2.9 | 53.6 | 196 | 268 |
| | 10/12/2016 | 32.6 | 5.4 | 104 | 224 | 280 |
| | 3/16/2017 | 31.1 | 6.3 | 127 | 216 | 252 |
| | 10/12/2017 | 34.6 | 7.2 | 134 | 85.3 | 163 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Sulfate, mg/L (CAS NO - 14808-79-8) | | | | | | |
| | 3/14/2018 | 31.9 | 7.3 | 136 | 84.7 | 135 |
| | 10/17/2018 | 15.4 | 11 | 144 | 14 | 294 |
| | 3/19/2019 | 27.9 | 11 | 150 | 214 | 144 |
| | 10/16/2019 | 51.8 | 15.8 | 152 | 103 | 105 |
| | 3/18/2020 | 38.2 | 12.9 | 137 | 100 | 267 |
| | 10/16/2020 | 46.7 | 14 | 127 | 82.9 | 70.5 |
| | 3/17/2021 | 46.7 | 17.2 | 135 | 86.8 | 73.4 |
| | 10/20/2021 | 56.5 | 33.3 | 128 | 73.7 | 97.7 |
| | 3/17/2022 | 28.7 | 37.2 | 123 | 105 | 102 |
| | 10/18/2022 | 111 | 36.8 | 120 | 90.8 | 96.4 |
| | 3/14/2023 | 56 | 38 | 116 | 120 | 109 |
| | 10/18/2023 | 109 | 58.1 | 120 | 100 | 111 |
| | 3/18/2024 | 55.6 | 74.6 | 118 | 114 | 108 |
| | 10/16/2024 | 81.4 | 62.7 | 119 | 97.7 | 87.5 |
| | 3/13/2025 | 84.1 | 75.2 | 119 | 113 | 87.2 |
| | 10/15/2025 | 58.6 | 90.2 | 133 | 104 | 111 |
| Thallium, mg/L (CAS NO - 7440-28-0) | | | | | | |
| | 12/16/2009 | 0.0012 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.0118 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0002 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | < 0.0002 | 0.0012 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 3/16/2010 | < 0.0002 | < 0.0002 | 0.0019 | < 0.0002 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | < 0.0002 |
| | 4/15/2010 | < 0.0002 | 0.0014 | 0.0035 | 0.0017 | 0.0012 |
| | 5/17/2010 | < 0.0002 | 0.0053 | 0.0116 | 0.0042 | 0.0019 |
| | 6/21/2010 | < 0.0002 | < 0.0002 | 0.0012 | < 0.0002 | < 0.0002 |
| | 7/16/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 8/18/2010 | 0.0003 | 0.0002 | 0.0007 | < 0.0002 | 0.0005 |
| | 9/20/2010 | < 0.0002 | 0.0007 | 0.0005 | 0.0002 | 0.0004 |
| | 10/18/2010 | 0.0003 | 0.0018 | 0.0005 | 0.0003 | 0.0006 |
| | 11/16/2010 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0008 |
| | 12/16/2010 | 0.0004 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0014 |
| | 1/13/2011 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0011 |
| | 2/16/2011 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0008 |
| | 5/18/2011 | 0.0002 | 0.0002 | 0.0005 | 0.0002 | 0.0002 |
| | 8/17/2011 | < 0.0002 | < 0.0002 | < 0.0002 | 0.001 | 0.0007 |
| | 10/17/2011 | 0.0008 | < 0.0002 | < 0.0002 | 0.0008 | 0.0007 |
| | 1/18/2012 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0005 |
| | 4/17/2012 | < 0.0002 | 0.001 | < 0.0002 | < 0.0002 | < 0.0002 |
| | 7/17/2012 | < 0.0002 | 0.0007 | 0.0011 | 0.0006 | < 0.0002 |
| | 11/14/2012 | 0.0004 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0011 |
| | 3/19/2013 | < 0.0002 | 0.0002 | < 0.0002 | < 0.0002 | 0.0003 |
| | 6/17/2013 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0002 |
| | 9/17/2013 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.001 |
| | 12/17/2013 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0005 |
| | 2/17/2014 | 0.0006 | 0.001 | 0.0003 | 0.0002 | 0.0002 |
| | 4/15/2014 | 0.0002 | 0.0008 | 0.0008 | 0.0001 | 0.0001 |
| | 7/15/2014 | 0.0001 | 0.0002 | 0.0002 | 0.0001 | 0.0002 |
| | 10/13/2014 | 0.0001 | 0.001 | 0.0002 | 0.0001 | 0.0006 |
| | 1/16/2015 | < 0.0002 | 0.0004 | 0.0002 | < 0.0002 | 0.0003 |
| | 5/13/2015 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002 | 0.0001 |
| | 8/18/2015 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0001 |
| | 11/17/2015 | < 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| | 3/16/2016 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0002* | < 0.0001 |
| | 10/12/2016 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0006* | < 0.0001 |
| | 3/16/2017 | 0.0002* | 0.0005* | 0.0004* | 0.0013 | 0.0004* |
| | 10/12/2017 | 0.0002* | < 0.0001 | 0.0003* | 0.0003* | 0.0005* |
| | 3/14/2018 | < 0.0001 | < 0.0001 | 0.0001* | 0.0001* | 0.0001* |
| | 10/17/2018 | 0.0001* | 0.0001* | 0.0001* | 0.0001* | 0.0002* |
| | 3/19/2019 | < 0.0001 | < 0.0001 | < 0.0001 | 0.001 | 0.0002 |
| | 10/16/2019 | < 0.0001 | < 0.0001 | < 0.0001 | 0.0002* | < 0.0001 |
| | 3/18/2020 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 10/16/2020 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 3/17/2021 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 10/20/2021 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 3/17/2022 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 10/18/2022 | 0.0004* | < 0.0004 | 0.0018 | 0.0012 | 0.0004* |
| | 3/14/2023 | < 0.0004 | 0.0009 | 0.0006* | < 0.0004 | < 0.0004 |
| | 10/18/2023 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 3/18/2024 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |
| | 10/16/2024 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 | < 0.0004 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|--|-------------|----------------|------------|------------|------------|------------|
| Total Metals Constituents | | | | | | |
| Thallium, mg/L (CAS NO - 7440-28-0) | 3/13/2025 | < 0.0004 | 0.0006* | < 0.0004 | < 0.0004 | < 0.0004 |
| | 10/15/2025 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | 0.0001* |
| Vanadium, mg/L (CAS NO - 7440-62-2) | 12/16/2009 | < 0.0007 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | < 0.0007 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | < 0.0007 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 3/16/2010 | 0.0031 | 0.0049 | 0.0049 | 0.0052 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0022 |
| | 4/15/2010 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 5/17/2010 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 6/21/2010 | < 0.0007 | 0.0034 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 7/16/2010 | < 0.0007 | 0.0007 | < 0.0007 | 0.0027 | < 0.0007 |
| | 8/18/2010 | 0.0081 | 0.0118 | 0.0109 | 0.0033 | 0.0096 |
| | 9/20/2010 | < 0.0007 | 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 10/18/2010 | < 0.0007 | 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 11/16/2010 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 12/16/2010 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 1/13/2011 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 2/16/2011 | 0.0034 | 0.0021 | 0.0026 | 0.0007 | 0.0019 |
| | 5/18/2011 | 0.0007 | 0.0007 | 0.0007 | 0.0007 | 0.0007 |
| | 8/17/2011 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 10/17/2011 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 1/18/2012 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0033 |
| | 4/17/2012 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0026 |
| | 7/17/2012 | 0.0031 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 11/14/2012 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 | < 0.0007 |
| | 3/19/2013 | 0.0068 | 0.0056 | 0.0068 | < 0.0007 | 0.0068 |
| | 6/17/2013 | 0.0024 | 0.0005 | 0.0005 | 0.0005 | 0.0009 |
| | 9/17/2013 | 0.0005 | 0.0005 | 0.0003 | 0.0003 | 0.0015 |
| | 12/17/2013 | 0.0008 | 0.0005 | 0.0004 | 0.0013 | 0.0012 |
| | 2/17/2014 | 0.0012 | 0.0003 | 0.0003 | 0.0006 | 0.0003 |
| | 4/15/2014 | 0.0006 | < 0.0007 | < 0.0007 | 0.0006 | 0.0069 |
| | 7/15/2014 | 0.0005 | < 0.0007 | < 0.0007 | 0.0008 | 0.0087 |
| | 10/13/2014 | 0.0006 | < 0.0007 | < 0.0007 | < 0.0007 | 0.0017 |
| | 1/16/2015 | 0.0006 | < 0.0007 | < 0.0007 | 0.0012 | 0.0011 |
| | 5/13/2015 | 0.0005 | 0.0005 | 0.0003 | 0.0013 | 0.0006 |
| | 8/18/2015 | 0.0003 | 0.0004 | 0.0003 | 0.0032 | 0.0009 |
| | 11/17/2015 | 0.0008 | 0.0007 | 0.0005 | 0.0006 | 0.0008 |
| | 3/16/2016 | 0.0007* | 0.0005* | 0.0011* | 0.0007* | 0.002* |
| | 10/12/2016 | 0.0008* | 0.0006* | 0.0016* | 0.0008* | 0.0019* |
| | 3/16/2017 | 0.0002* | 0.0004* | 0.0004* | 0.0004* | 0.0013* |
| | 10/12/2017 | 0.001* | 0.0002* | 0.0007* | 0.0007* | 0.0011* |
| | 3/14/2018 | 0.0004* | 0.0002* | 0.0004* | 0.0004* | 0.0018* |
| | 10/17/2018 | 0.0002* | 0.0003* | 0.0003* | 0.0033* | 0.0129 |
| | 3/19/2019 | < 0.004 | 0.0042 | 0.0052 | 0.063 | 0.0164 |
| | 10/16/2019 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | 0.0026* |
| | 3/18/2020 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | 0.0175 |
| | 10/16/2020 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 3/17/2021 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 10/20/2021 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 3/17/2022 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 10/18/2022 | 0.0054* | 0.0056* | 0.0056* | 0.007* | 0.0049* |
| | 3/14/2023 | 0.0067* | 0.0051* | 0.0058* | 0.0088 | 0.0066* |
| | 10/18/2023 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | 0.0095 |
| | 3/18/2024 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 10/16/2024 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 | < 0.0043 |
| | 3/13/2025 | 0.0061* | 0.0057* | < 0.0043 | 0.005* | 0.0056* |
| | 10/15/2025 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.0018* |
| Zinc, mg/L (CAS NO - 7440-66-6) | 12/16/2009 | 0.12 | N/A | N/A | N/A | N/A |
| | 12/16/2009 | 0.12 | N/A | N/A | N/A | N/A |
| | 1/15/2010 | 0.0706 | N/A | N/A | N/A | N/A |
| | 2/18/2010 | 0.0537 | 0.0281 | 0.0361 | 0.0276 | 0.007 |
| | 3/16/2010 | 0.0375 | 0.0089 | 0.0076 | 0.0191 | N/A |
| | 3/23/2010 | N/A | N/A | N/A | N/A | 0.0091 |
| | 4/15/2010 | 0.0363 | 1.11 | 0.004 | 0.0477 | 0.0113 |
| | 5/17/2010 | 0.0326 | 0.0453 | 0.0106 | 0.0422 | 0.0229 |
| | 6/21/2010 | 0.0444 | 0.245 | 0.0088 | 0.134 | 0.0203 |
| | 7/16/2010 | 0.0561 | 0.0122 | 0.005 | 0.0742 | 0.0098 |
| | 8/18/2010 | 0.0809 | 0.0035 | 0.0043 | 0.0088 | 0.009 |
| | 9/20/2010 | 0.0533 | 0.0036 | 0.0083 | 0.0286 | 0.0686 |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Total Metals Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Zinc, mg/L (CAS NO - 7440-66-6) | 10/18/2010 | 0.0483 | 0.0029 | 0.0091 | 0.0136 | 0.0166 |
| | 11/16/2010 | 0.0714 | 0.0053 | 0.0052 | 0.0179 | 0.0065 |
| | 12/16/2010 | 0.139 | 0.009 | 0.008 | 0.0137 | 0.0104 |
| | 1/13/2011 | 0.522 | 0.0016 | 0.0054 | 0.0061 | 0.0039 |
| | 2/16/2011 | 0.173 | 0.0036 | 0.0037 | 0.0086 | 0.0027 |
| | 5/18/2011 | 0.0452 | 0.0023 | 0.003 | 0.0039 | 0.0029 |
| | 8/17/2011 | 0.0511 | 0.0023 | 0.007 | 0.0131 | 0.0023 |
| | 10/17/2011 | 0.0767 | 0.0116 | 0.0174 | 0.0207 | 0.0117 |
| | 1/18/2012 | 0.0377 | 0.0204 | 0.0135 | 0.0253 | 0.147 |
| | 4/17/2012 | 0.0391 | 0.0056 | 0.0051 | 0.0164 | 0.0032 |
| | 7/17/2012 | 0.111 | 0.002 | 0.0053 | 0.0158 | 0.0175 |
| | 11/14/2012 | 0.066 | 0.0267 | 0.0179 | 0.0278 | 0.0159 |
| | 3/19/2013 | 0.127 | 0.0119 | 0.0112 | 0.0101 | 0.0171 |
| | 6/17/2013 | 0.0877 | 0.0137 | 0.0297 | 0.0091 | 0.0598 |
| | 9/17/2013 | 0.0252 | 0.0098 | 0.0077 | 0.0061 | 0.0134 |
| | 12/17/2013 | 0.0434 | 0.0099 | 0.0138 | 0.0189 | 0.0109 |
| | 2/17/2014 | 0.0221 | 0.0156 | 0.009 | 0.0236 | 0.299 |
| | 4/15/2014 | 0.213 | 0.011 | 0.0132 | 0.107 | 0.0362 |
| | 7/15/2014 | 0.0481 | 0.008 | 0.0105 | 0.0086 | 0.0152 |
| | 10/13/2014 | 0.0937 | 0.0109 | 0.0055 | 0.007 | 0.0093 |
| | 1/16/2015 | 0.0589 | 0.007 | 0.0077 | 0.0057 | 0.0113 |
| | 5/13/2015 | 0.286 | 0.004 | 0.008 | 0.232 | 0.0042 |
| | 8/18/2015 | 0.0694 | 0.0058 | 0.0057 | 0.0156 | 0.233 |
| | 11/17/2015 | 0.131 | 0.0369 | 0.0343 | 0.261 | 0.0345 |
| | 3/16/2016 | 0.0737 | 0.0027* | 0.0069* | 0.236 | < 0.002 |
| | 10/12/2016 | 0.128 | 0.003* | 0.011 | 0.158 | 0.0064* |
| | 3/16/2017 | 0.11 | 0.0062* | 0.0072* | 0.137 | 0.0081 |
| | 10/12/2017 | 0.342 | 0.0078* | 0.0142 | 0.0359 | 0.0126 |
| | 3/14/2018 | 0.515 | 0.0055* | 0.0067* | 0.0373 | 0.0143 |
| | 10/17/2018 | 0.143 | 0.0103 | 0.0103 | 0.019 | < 0.008 |
| | 3/19/2019 | 0.0786 | 0.0133 | 0.0256 | 0.1 | 0.048 |
| | 10/16/2019 | 0.115 | 0.015* | 0.0105* | 0.0119* | 0.0126* |
| | 3/18/2020 | 0.184 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 10/16/2020 | 0.092 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 3/17/2021 | 0.123 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 10/20/2021 | 0.132 | < 0.0174 | < 0.0174 | 0.0218 | < 0.0174 |
| | 3/17/2022 | 0.119 | < 0.0174 | 0.0211 | < 0.0174 | < 0.0174 |
| | 10/18/2022 | 0.0965 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 3/14/2023 | 0.118 | 0.0182* | < 0.0174 | < 0.0174 | < 0.0174 |
| | 10/18/2023 | 0.0304 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 3/18/2024 | 0.0251 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 10/16/2024 | 0.0935 | < 0.0174 | < 0.0174 | < 0.0174 | 0.0175* |
| | 3/13/2025 | 0.105 | < 0.0174 | < 0.0174 | < 0.0174 | < 0.0174 |
| | 10/15/2025 | 0.112 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Total Suspended Solids, mg/L (CAS NO - TSS) | 3/16/2016 | < 2 | 9 | 13 | 4 | 36 |
| | 10/12/2016 | 20 | 5 | 4 | 4 | 632 |
| | 3/16/2017 | < 2 | 4 | < 4 | 5 | 440 |
| | 10/12/2017 | < 4 | < 4 | 4 | < 4 | 60 |
| | 3/14/2018 | < 4 | < 4 | 139 | < 4 | 69 |
| | 10/17/2018 | < 2 | 4 | 14 | 10 | 494 |
| | 3/19/2019 | 9 | 9 | 4 | 3 | 20 |
| | 10/16/2019 | < 2 | 4 | < 2 | 2 | 66 |
| | 3/18/2020 | < 2 | 3 | 4 | < 2 | 4 |
| | 10/16/2020 | 14 | 10 | 5 | < 2 | 5 |
| | 3/17/2021 | < 2 | < 2 | 5 | 5 | < 2 |
| | 10/20/2021 | 3 | 3 | 5 | 5 | 30 |
| | 3/17/2022 | < 2 | 2 | 4 | < 2 | 31 |
| | 10/18/2022 | < 2 | 5 | 12 | 7 | < 2 |
| | 3/14/2023 | 2 | < 2 | 4 | 2 | < 2 |
| | 10/18/2023 | < 1 | < 1 | 8 | 10 | 36 |
| | 3/18/2024 | < 1 | < 1 | 6 | 17 | 2 |
| | 10/16/2024 | < 1 | 1 | 2 | 8 | 2 |
| | 3/13/2025 | 8 | < 2 | < 4 | 4 | < 4 |
| | 10/15/2025 | < 1 | 2 | < 1 | 16 | 11 |

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.

Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Appendix I VOC Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG | |
|--|---|----------------|------------|------------|------------|------------|------|
| 2-Butanone, ug/L (CAS NO - 78-93-3) | 10/17/2018 | < 5 | < 5 | < 5 | 47.4 | < 5 | |
| | 11/14/2018 | N/A | N/A | N/A | 28.3 | N/A | |
| | 3/19/2019 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 10/16/2019 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 3/18/2020 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 10/16/2020 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 3/17/2021 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 10/20/2021 | < 5 | < 5 | < 5 | < 5 | < 5 | |
| | 3/17/2022 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/18/2022 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/14/2023 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/18/2023 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/18/2024 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/16/2024 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/13/2025 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/15/2025 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 2-Methylphenol, ug/L (CAS NO - 95-48-7) | 10/17/2018 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 11/14/2018 | | N/A | N/A | N/A | < 10 | N/A | |
| 3/19/2019 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 10/16/2019 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/18/2020 | | < 13.6 | < 10 | < 10 | < 14.4 | < 10 | |
| 10/16/2020 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/17/2021 | | < 12.8 | < 10 | < 10 | < 10 | < 10 | |
| 10/20/2021 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/17/2022 | | < 12.5 | < 10 | < 10 | < 13 | < 10 | |
| 10/18/2022 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/14/2023 | | < 10 | N/A | N/A | < 10 | < 10 | |
| 10/18/2023 | | < 10 | < 10 | < 12.8 | < 10 | < 10 | |
| 3/18/2024 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 10/16/2024 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/13/2025 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 10/15/2025 | | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 3/4-Methylphenol, ug/L (CAS NO - T-34MP) | | 10/17/2018 | < 10 | < 10 | < 10 | 22.5 | < 10 |
| | 11/14/2018 | N/A | N/A | N/A | < 10 | N/A | |
| | 3/19/2019 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/16/2019 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/18/2020 | < 13.6 | < 10 | < 10 | < 14.4 | < 10 | |
| | 10/16/2020 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/17/2021 | < 12.8 | < 10 | < 10 | < 10 | < 10 | |
| | 10/20/2021 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/17/2022 | < 12.5 | < 10 | < 10 | < 13 | < 10 | |
| | 10/18/2022 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/14/2023 | < 10 | N/A | N/A | < 10 | < 10 | |
| | 10/18/2023 | < 10 | < 10 | < 12.8 | < 10 | < 10 | |
| | 3/18/2024 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/16/2024 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 3/13/2025 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | 10/15/2025 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| | Benzene, ug/L (CAS NO - 71-43-2) | 10/17/2018 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 3/19/2019 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/16/2019 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/18/2020 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/16/2020 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/17/2021 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/20/2021 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/17/2022 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/18/2022 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/14/2023 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/18/2023 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/18/2024 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/16/2024 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 3/13/2025 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| 10/15/2025 | | < 1 | < 1 | < 1 | < 1 | < 1 | |
| Chloroform, ug/L (CAS NO - 67-66-3) | | 10/17/2018 | < 1 | < 1 | < 1 | 410 | < 1 |
| | | 11/14/2018 | N/A | N/A | N/A | 18.5 | N/A |
| | 3/19/2019 | < 1 | < 1 | < 1 | 80.6 | < 1 | |
| | 5/3/2019 | N/A | N/A | N/A | 9 | N/A | |
| | 10/16/2019 | < 1 | < 1 | < 1 | < 1 | < 1 | |
| | 3/18/2020 | < 1 | < 1 | < 1 | < 1 | < 1 | |
| | 10/16/2020 | < 1 | < 1 | < 1 | < 1 | < 1 | |

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Appendix I VOC Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|-------------------------------------|-------------|----------------|------------|------------|------------|------------|
| Chloroform, ug/L (CAS NO - 67-66-3) | 3/17/2021 | < 1 | < 1 | < 1 | 6.8 | < 1 |
| | 10/20/2021 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 3/17/2022 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 10/18/2022 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 3/14/2023 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 10/18/2023 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 3/18/2024 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 10/16/2024 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 3/13/2025 | < 1 | < 1 | < 1 | < 1 | < 1 |
| | 10/15/2025 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Pyridine, ug/L (CAS NO - 110-86-1) | 10/17/2018 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/19/2019 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/16/2019 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/18/2020 | < 14 | < 10 | < 10 | < 14 | < 10 |
| | 10/16/2020 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/17/2021 | < 13 | < 10 | < 10 | < 10 | < 10 |
| | 10/20/2021 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/17/2022 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/18/2022 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/14/2023 | < 10 | N/A | N/A | < 10 | < 10 |
| | 10/18/2023 | < 10 | < 10 | < 13 | < 10 | < 10 |
| | 3/18/2024 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/16/2024 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/13/2025 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/15/2025 | < 10 | < 10 | < 10 | < 10 | < 10 |

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.

Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.

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Summary of Groundwater Chemistry BMC Aggregates L.C. South Waterloo Quarry

| Other Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Ammonia as N, mg/L (CAS NO - 7664-41-7) | 3/19/2019 | < 0.1 | < 0.1 | < 0.1 | 2.03 | 0.11 |
| | 10/16/2019 | < 0.1 | < 0.1 | < 0.1 | 0.11 | < 0.1 |
| | 3/18/2020 | < 0.1 | < 0.1 | 0.11 | 0.1 | < 0.1 |
| | 10/16/2020 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | 3/17/2021 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | 0.22 |
| | 10/20/2021 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | 3/17/2022 | < 0.1 | < 0.1 | 0.19 | < 0.1 | < 0.1 |
| | 10/18/2022 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | 3/14/2023 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| | 10/18/2023 | < 0.1 | 1.51 | < 0.1 | 0.12 | < 0.1 |
| | 3/18/2024 | < 0.1 | 0.45 | < 0.1 | < 0.1 | < 0.1 |
| | 10/16/2024 | < 0.1 | 0.38 | < 0.1 | < 0.1 | 0.8 |
| | 3/13/2025 | < 0.1 | 0.18 | < 0.1 | 0.1 | < 0.1 |
| 10/15/2025 | 0.62 | < 0.1 | 0.13 | < 0.1 | < 0.1 | |
| Chemical Oxygen Demand, mg/L (CAS NO - COD) | 3/19/2019 | < 20 | < 20 | < 20 | 687 | 36 |
| | 10/16/2019 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 3/18/2020 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 10/16/2020 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 3/17/2021 | < 20 | < 20 | < 20 | < 20 | 83 |
| | 10/20/2021 | < 20 | < 20 | 21 | 39 | 22 |
| | 3/17/2022 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 10/18/2022 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 3/14/2023 | < 20 | < 20 | < 20 | < 20 | < 20 |
| | 10/18/2023 | < 54 | < 54 | < 54 | < 54 | < 54 |
| | 3/18/2024 | < 54 | < 54 | < 54 | < 54 | < 54 |
| | 10/16/2024 | < 54 | 72 | < 54 | < 54 | < 54 |
| | 3/13/2025 | < 54 | < 54 | < 54 | < 54 | < 54 |
| 10/15/2025 | < 54 | < 54 | < 54 | < 54 | < 54 | |
| Formaldehyde, ug/L (CAS NO - 50-00-0) | 3/19/2019 | < 10 | < 10 | < 10 | 351 | < 10 |
| | 5/3/2019 | N/A | N/A | N/A | < 10 | N/A |
| | 10/16/2019 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/18/2020 | < 10 | 29.6 | < 10 | < 10 | < 10 |
| | 10/16/2020 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/17/2021 | < 10 | 10.9 | 11.7 | 11.7 | < 10 |
| | 10/20/2021 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/17/2022 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/18/2022 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/14/2023 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/18/2023 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 3/18/2024 | < 10 | < 10 | < 10 | < 10 | < 10 |
| | 10/16/2024 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 3/13/2025 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| 10/15/2025 | < 20 | < 20 | < 20 | < 20 | < 20 | |
| Phenols, total, mg/L (CAS NO - 108-95-2) | 3/19/2019 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 10/16/2019 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | 0.039 |
| | 3/18/2020 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 10/16/2020 | 0.043 | < 0.035 | 0.082 | < 0.035 | < 0.035 |
| | 3/17/2021 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 10/20/2021 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 3/17/2022 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 10/18/2022 | < 0.035 | 0.06 | < 0.035 | < 0.035 | < 0.035 |
| | 3/14/2023 | 0.057 | 0.06 | 0.06 | < 0.035 | < 0.035 |
| | 10/18/2023 | 0.082 | 0.047 | 0.066 | 0.063 | 0.035 |
| | 3/18/2024 | 0.074 | 0.132 | 0.094 | 0.07 | 0.118 |
| | 10/16/2024 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| | 3/13/2025 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 |
| 10/15/2025 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | < 0.035 | |
| Total Dissolved Solids, mg/L (CAS NO - TDS) | 10/17/2018 | 311 | 305 | 445 | 1370 | 626 |
| | 3/19/2019 | 311 | 337 | 469 | 815 | 492 |
| | 10/16/2019 | 366 | 308 | 491 | 458 | 466 |
| | 3/18/2020 | 343 | 333 | 493 | 415 | 736 |
| | 10/16/2020 | 300 | 291 | 444 | 409 | 348 |
| | 3/17/2021 | 365 | 313 | 483 | 443 | 604 |
| | 10/20/2021 | 385 | 303 | 564 | 481 | 443 |
| | 3/17/2022 | 359 | 351 | 536 | 447 | 429 |
| | 10/18/2022 | 391 | 339 | 391 | 392 | 415 |
| | 3/14/2023 | 360 | 341 | 456 | 445 | 479 |
| | 10/18/2023 | 425 | 369 | 481 | 400 | 459 |
| | 3/18/2024 | 336 | 420 | 565 | 428 | 439 |
| | 10/16/2024 | 409 | 393 | 487 | 383 | 409 |

SCS ENGINEERS

Summary of Groundwater Chemistry
 BMC Aggregates L.C. South Waterloo Quarry

| Other Constituents | Sample Date | ReiterFarm UPG | Well#1 DNG | Well#2 DNG | Well#3 DNG | Well#4 DNG |
|---|-------------|----------------|------------|------------|------------|------------|
| Total Dissolved Solids, mg/L (CAS NO - TDS) | 3/13/2025 | 337 | 399 | 505 | 483 | 420 |
| | 10/15/2025 | 420 | 395 | 464 | 411 | 385 |
| Total Organic Halogens, mg/L (CAS NO - TOH) | 3/19/2019 | 0.02 | 0.012 | 0.034 | 0.364 | 0.014 |
| | 10/16/2019 | < 0.01 | 0.021 | 0.011 | 0.131 | < 0.01 |
| | 3/18/2020 | 0.012 | < 0.01 | 0.01 | 0.024 | < 0.01 |
| | 10/16/2020 | < 0.01 | < 0.01 | 0.038 | 0.053 | < 0.01 |
| | 3/17/2021 | < 0.01 | < 0.01 | 0.011 | 0.02 | 0.031 |
| | 10/20/2021 | < 0.01 | < 0.01 | 0.015 | 0.103 | 0.014 |
| | 3/17/2022 | 0.025 | 0.018 | < 0.01 | 0.033 | < 0.01 |
| | 10/18/2022 | < 0.01 | 0.017 | 0.014 | 0.017 | 0.013 |
| | 3/14/2023 | < 0.01 | < 0.01 | < 0.01 | 0.021 | < 0.01 |
| | 10/18/2023 | < 0.01 | 0.018 | 0.016 | 0.054 | < 0.01 |
| | 3/18/2024 | < 0.01 | < 0.01 | < 0.01 | 0.055 | 0.054 |
| | 10/16/2024 | 0.079 | 0.035 | 0.026 | 0.059 | 0.071 |
| | 3/13/2025 | < 0.01 | 0.029 | 0.012 | 0.066 | 0.019 |
| | 10/15/2025 | < 0.01 | 0.036 | < 0.01 | 0.021 | 0.084 |

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.
Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.

Appendix D
2025 Statistical Report

PURPOSE

The purpose of this document is to describe the statistical method for the evaluation of groundwater analytical data collected from the BMC Aggregates L.C. Waterloo South Quarry (South Quarry) related to the beneficial use of coal combustion residue from the University of Iowa power plant and waste foundry sand from the John Deere foundry in Waterloo, Iowa.

MONITORING NETWORK

The monitoring network for the South Quarry currently consists of five monitoring points as listed in Table 1. Also summarized in Table 1 is the number of sampling events completed through the end of this reporting period.

Table 1. Groundwater Monitoring Summary

| Monitoring Well | Monitoring Program | Number of Samples Collected |
|-----------------|--------------------|-----------------------------|
| Reiter Farm (b) | Not Applicable | 54 |
| Well #1 | Assessment | 52 |
| Well #2 | Assessment | 52 |
| Well #3 | Assessment | 52 |
| Well #4 | Assessment | 52 |

(b) denotes background monitoring point.

As the selected statistical methods are intrawell, the Reiter Farm background monitoring well is not used in the statistical evaluation.

STATISTICAL METHOD

Diagnostic and Exploratory Evaluations and Tests of Assumptions

The assessment monitoring statistical program includes diagnostic and exploratory evaluations and statistical tests of assumptions, as appropriate, including the following:

- Time Series Plots
- Shapiro-Wilk test for normality
- Ohio Environmental Protection Agency (EPA) Method for identification of outliers
- Mann-Kendall/Sen's Slope trend test

Management of Non-Detect Data

Non-detect values in the dataset are managed using simple substitution or the Kaplan-Meier estimator. If less than 15% of the data are non-detects, simple substitution is used, where non-detect values are assigned a concentration of one-half ($\frac{1}{2}$) of the practical quantification limit (PQL). If greater than 15% but less than 50% of the data are non-detects, the Kaplan-Meier estimator is used to define the distribution of the dataset. If non-detects comprise greater than 50% of the available data, non-parametric statistical methods are used.

Management of Outliers

Background datasets are evaluated for outliers using the Ohio EPA Method included in the Sanitas™ statistical software program and described below, which includes the use of Dixon's, Rosner's, and Tukey's outlier tests, as appropriate based on the diagnostic tests, for the datasets that contain less than 75% of the measured concentrations below the PQL. Outliers are not confirmed unless a physical cause or explanation for the outlier is determined.

Management of Data (ND data < 75%)

If less than 75% of the background dataset is below the PQL, outliers are statistically evaluated using the following guidelines.

- A parametric dataset with $n < 20$ is evaluated with the Dixon's outlier test.
- A parametric dataset with $n \geq 20$ is evaluated with the Rosner's outlier test.
- A non-parametric dataset is evaluated with the Tukey's outlier test.

In accordance with the Ohio EPA Method, if a statistically significant outlier is not found using the above tests, but the highest value data point exceeds the second highest data point by an order of magnitude, the highest point is considered an outlier.

Management of Data (ND data \geq 75%)

If greater than or equal to 75% of the background dataset is less than the PQL, outliers are statistically evaluated using the following guidelines.

- Single detection \geq the PQL:
 - If $\geq 50\%$ of the background dataset has detections \geq the method detection limit (MDL), any value \geq two times the PQL of background is considered an outlier.
 - If $< 50\%$ of the background dataset has detections \geq the MDL, any value \geq the PQL of background is considered an outlier.
- Two or more detections \geq the PQL:
 - If $\geq 50\%$ of the background dataset has detections \geq the MDL, any value \geq three times the PQL of background is considered an outlier.
 - If $< 50\%$ of the background dataset has detections \geq the MDL, any value \geq two times the PQL of background is considered an outlier.

The chloride outliers identified in Well #3 from the May, August, and November 2015 sampling events, the March and October 2016 sampling events, the March 2017 sampling event, and the October 2018 sampling event were confirmed due to the fact that the well was treated with chlorine to control iron-fouling bacteria on multiple occasions. The confirmed outliers are shown in Appendix C of the Annual Water Quality Report, Summary of Groundwater Chemistry. Indicated outliers in the background monitoring well were not confirmed at this time as there was no information to link the indicated outliers to a physical cause or explanation.

Assessment Monitoring Statistical Program

Confidence intervals or confidence bands, as appropriate, were selected as the appropriate statistical methods for comparison of the groundwater analytical data against a fixed groundwater protection standard (GWPS). The assessment monitoring statistical evaluations are performed using the most recent eight samples or all samples if less than eight samples are available. The

confidence intervals or confidence bands used for the assessment monitoring statistical evaluation are established using the process below. Transformation of the distribution is not considered.

Confidence Intervals or Confidence Bands

- A parametric confidence interval around a normal mean is calculated if the dataset has a normal distribution and no statistically significant trend is present.
- A non-parametric confidence interval around a median is calculated if the dataset does not have a normal distribution and no statistically significant trend is present.
- Non-parametric confidence bands around a Theil-Sen trend line are calculated if the dataset has a statistically significant trend.

If the lower confidence limit or any part of the lower confidence band, as appropriate, exceeds the GWPS, then the monitoring point is considered to have exceeded a GWPS at a statistically significant level (SSL).

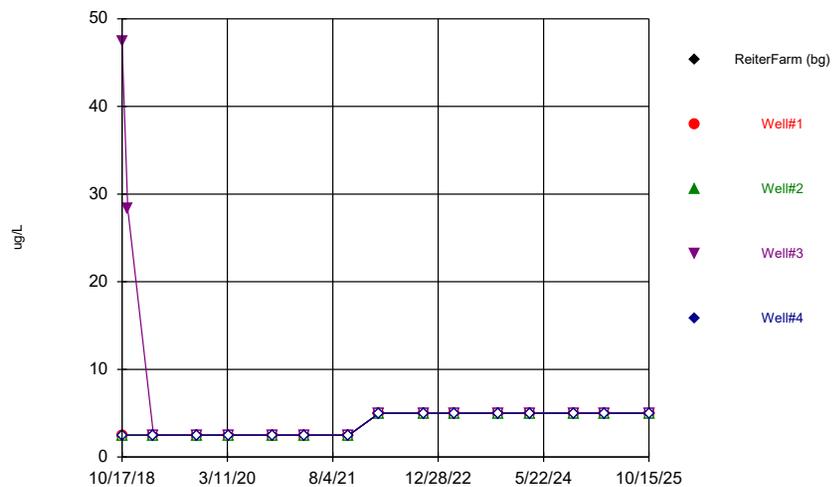
Statistical Evaluation

The reporting period for this statistical evaluation is January to December 2025 and includes data from the March 13 and October 15, 2025 sampling events. Listed below are the statistical outputs attached to this report. Sanitas™ statistical software was used to perform the statistical analyses.

- Time Series Plots
- Outlier Test Summary Table and Graphs
- Mann-Kendall/Sen's Slope Trend Test Summary Table and Graphs
- Confidence Interval Summary Table and Graphs
- Theil-Sen Trend Line and Confidence Bands Summary Table and Graphs

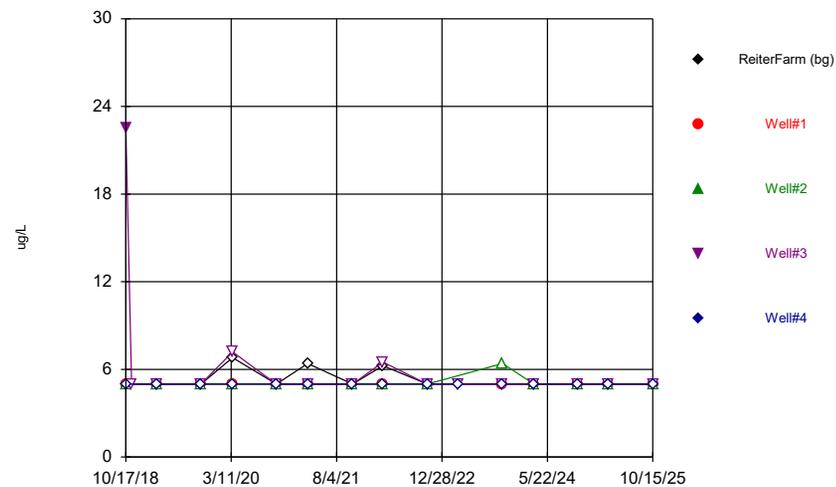
Time Series Plots

Time Series



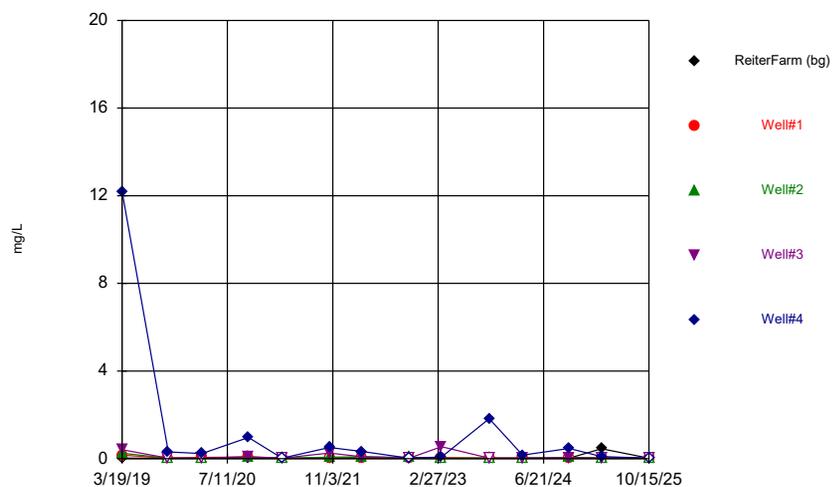
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Time Series



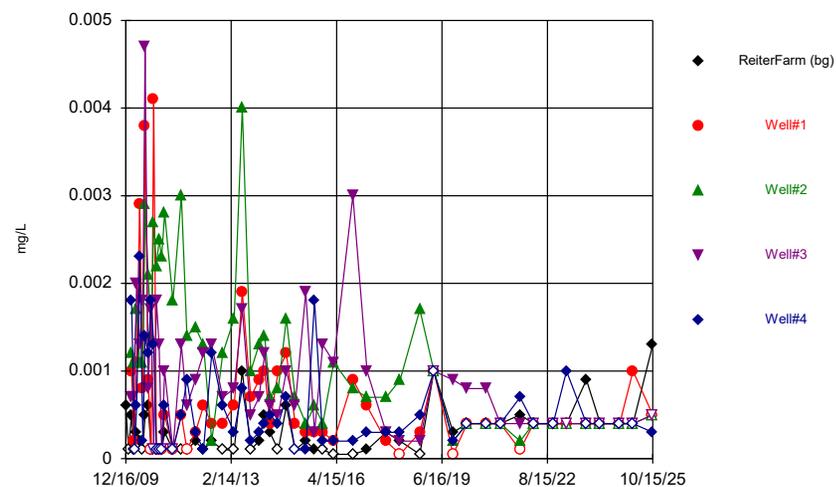
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Time Series



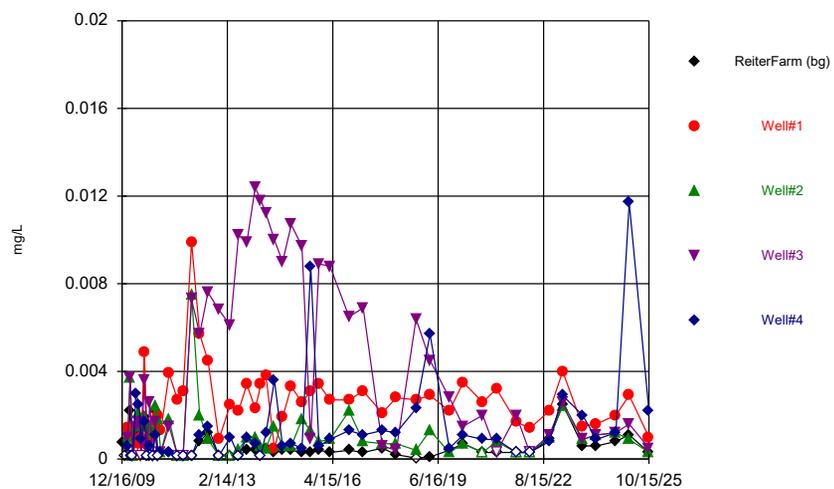
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Time Series



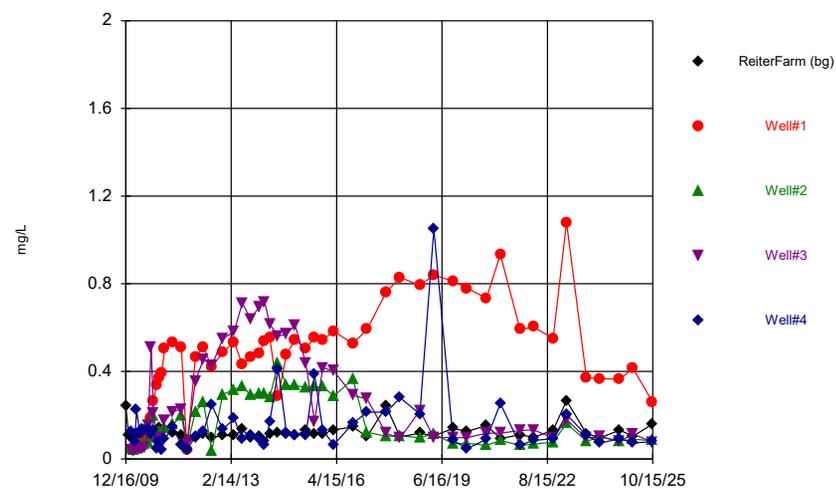
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Time Series



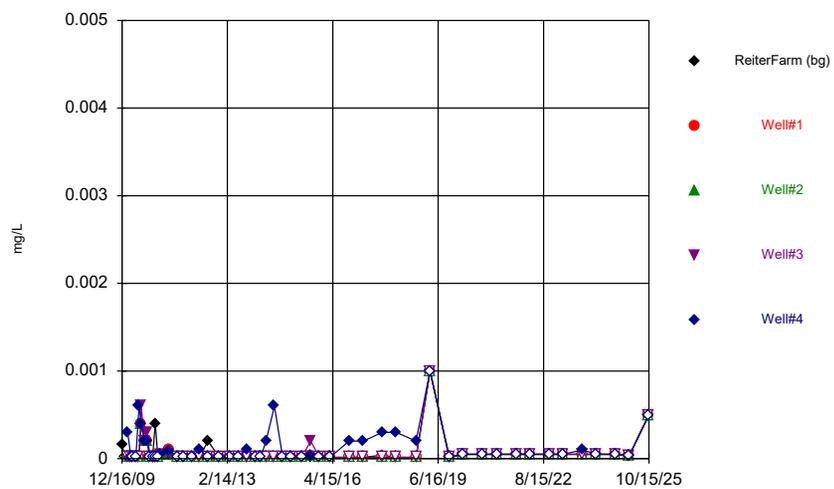
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Time Series



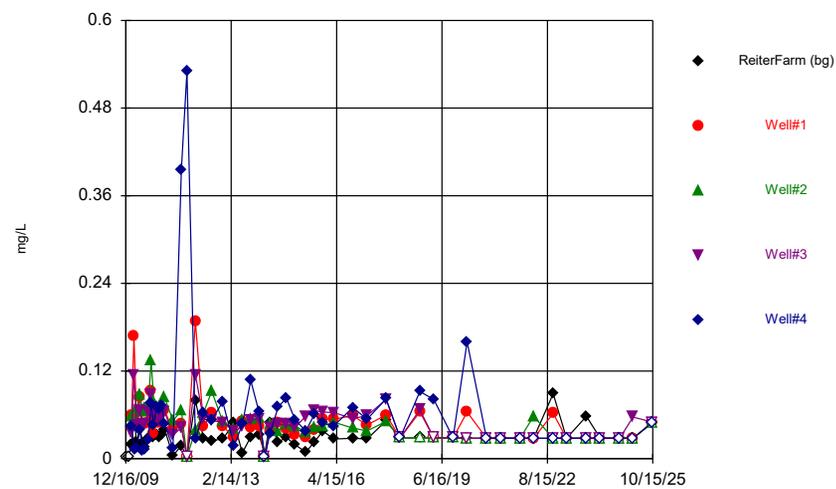
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Time Series



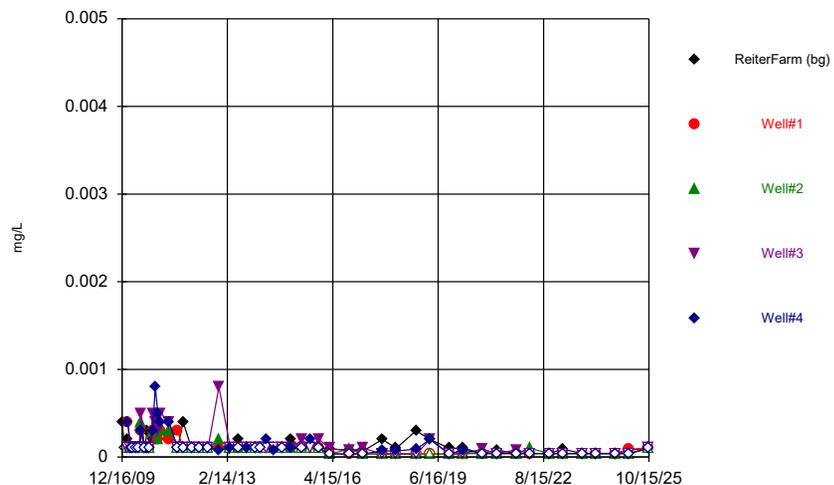
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



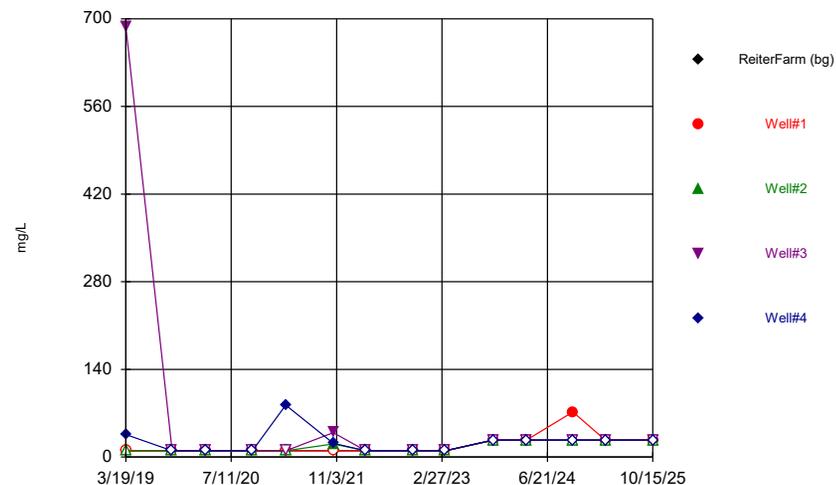
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



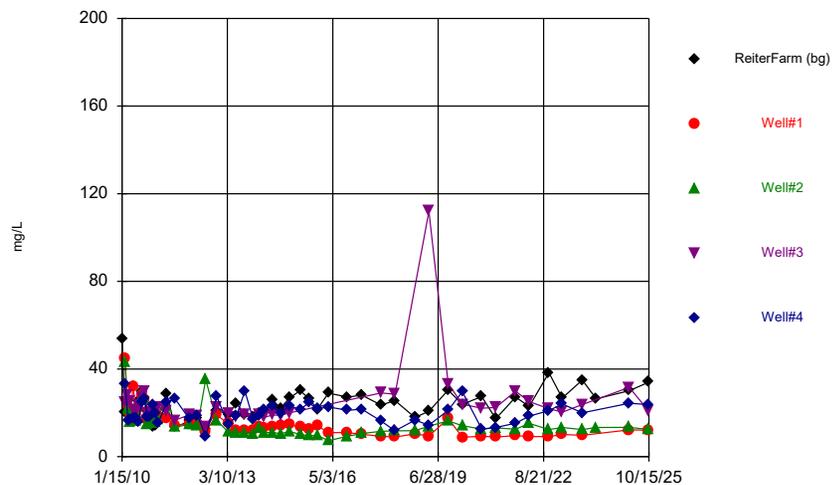
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Time Series



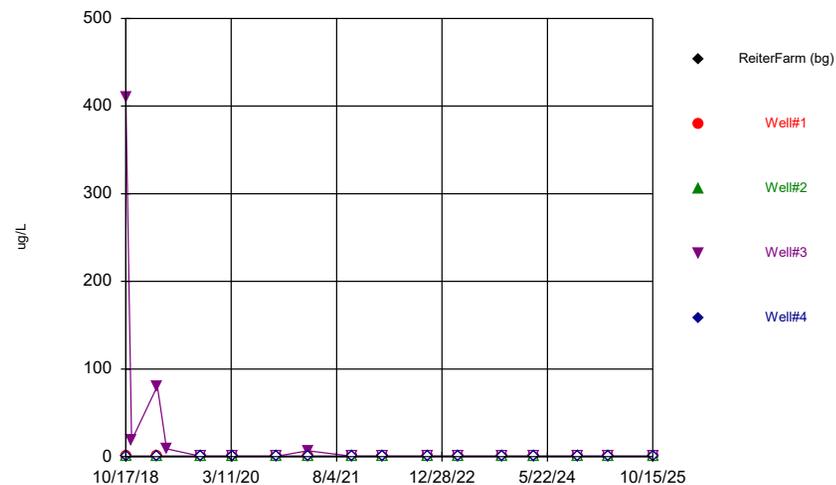
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Time Series



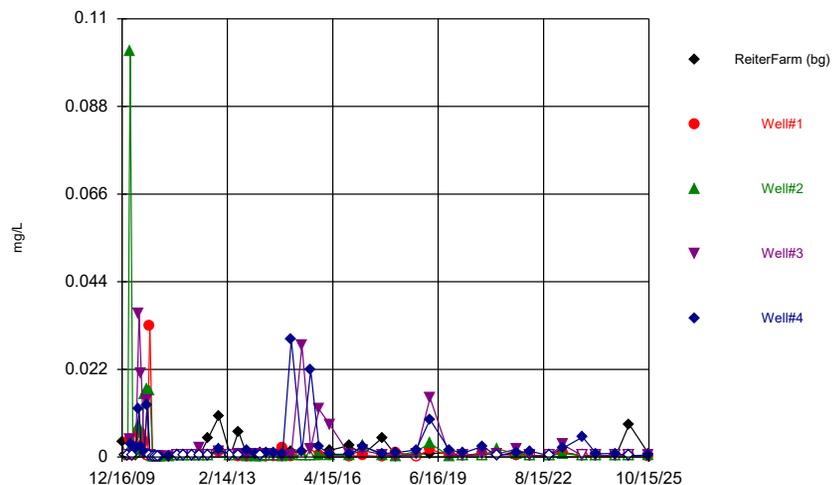
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Time Series

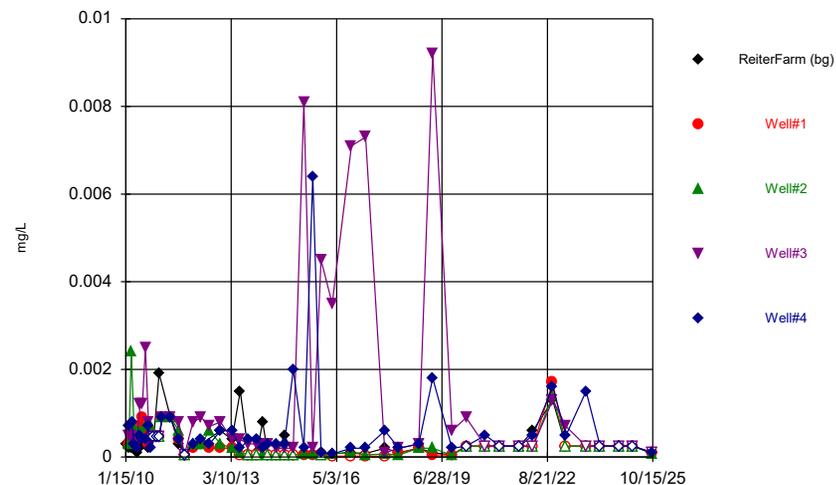


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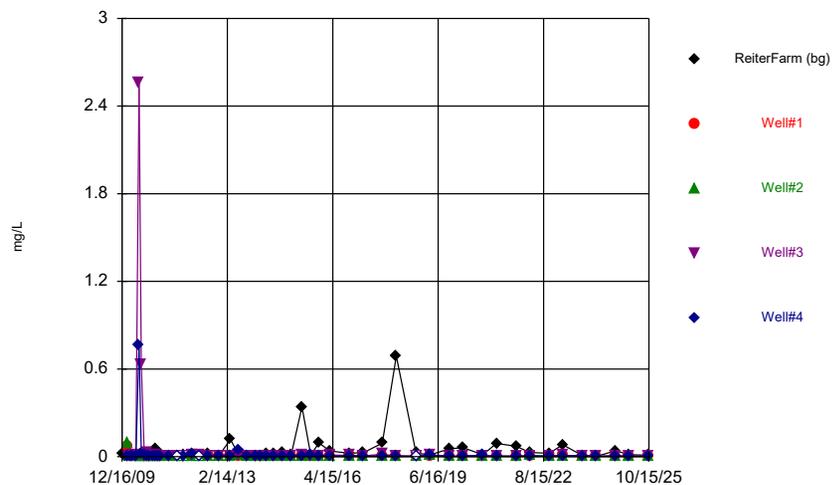
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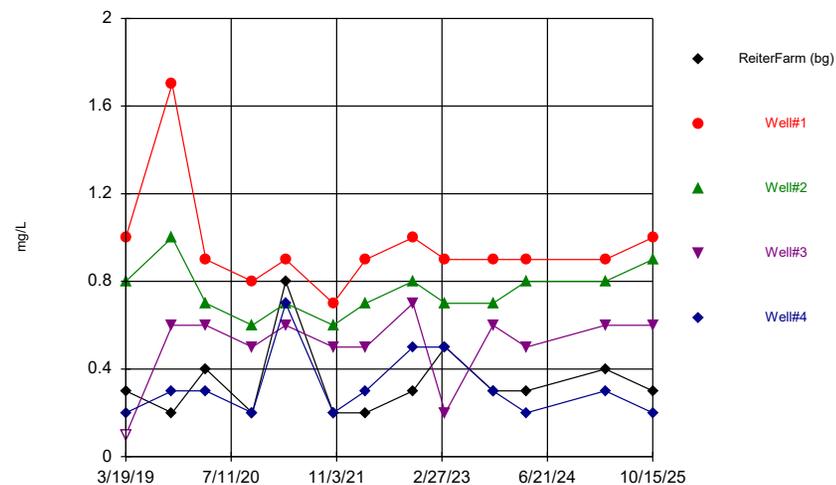
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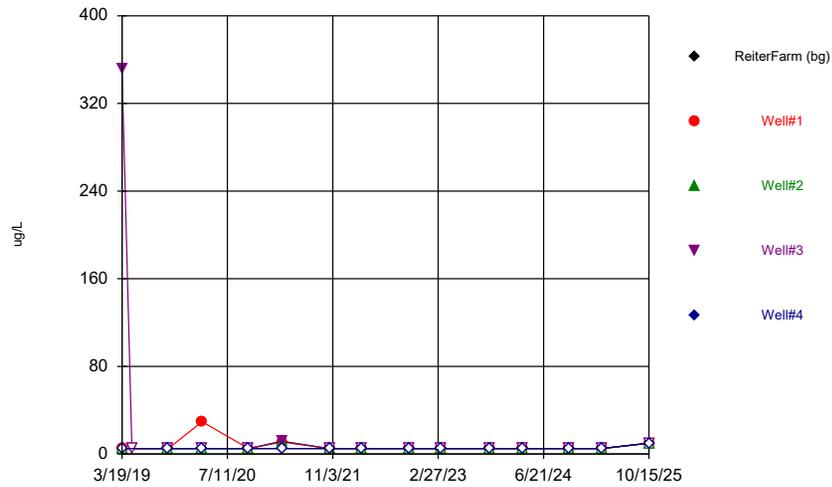
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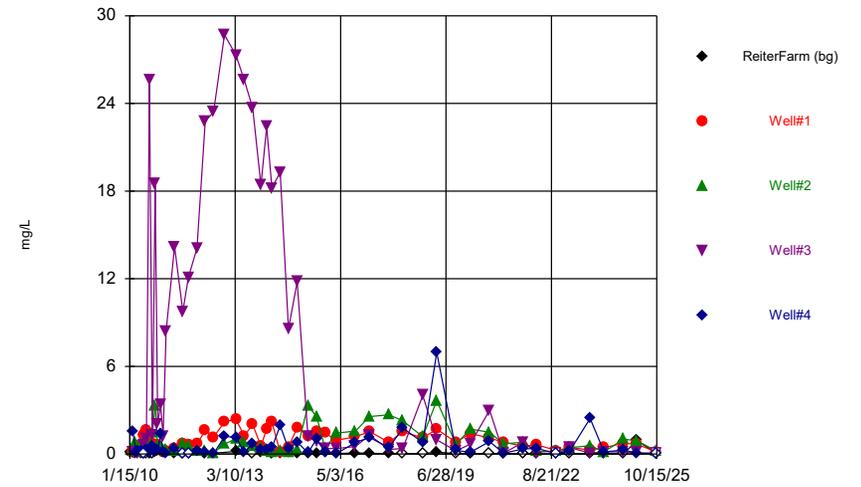


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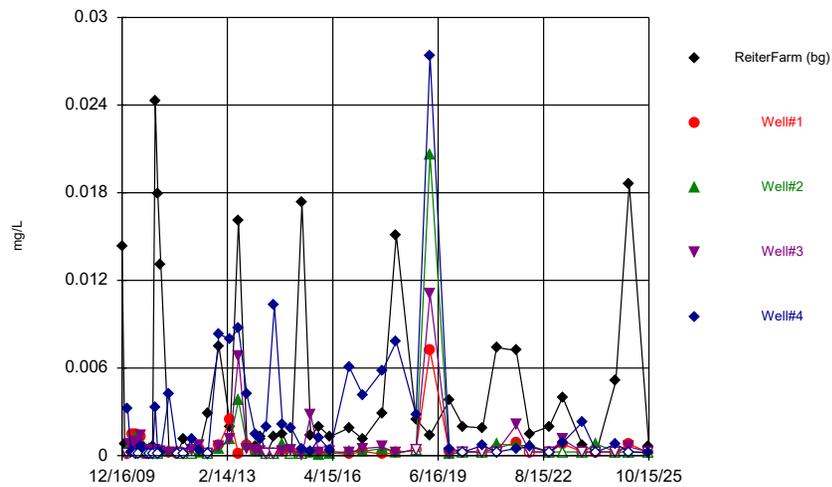
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Time Series



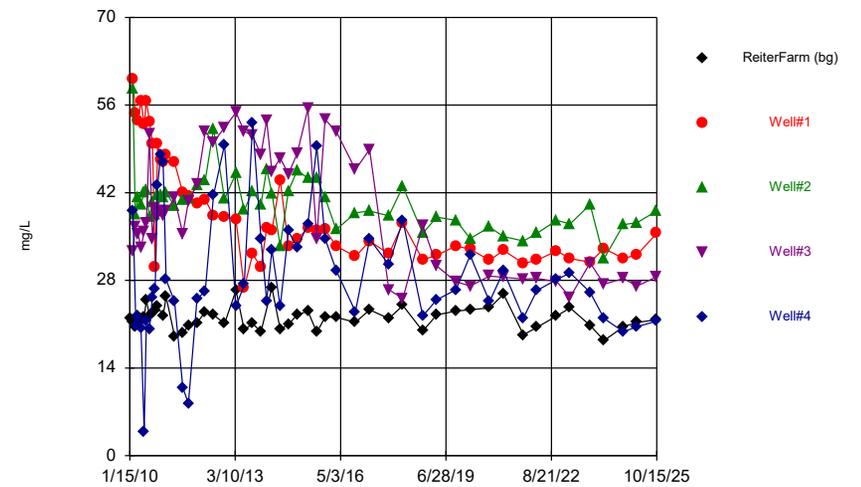
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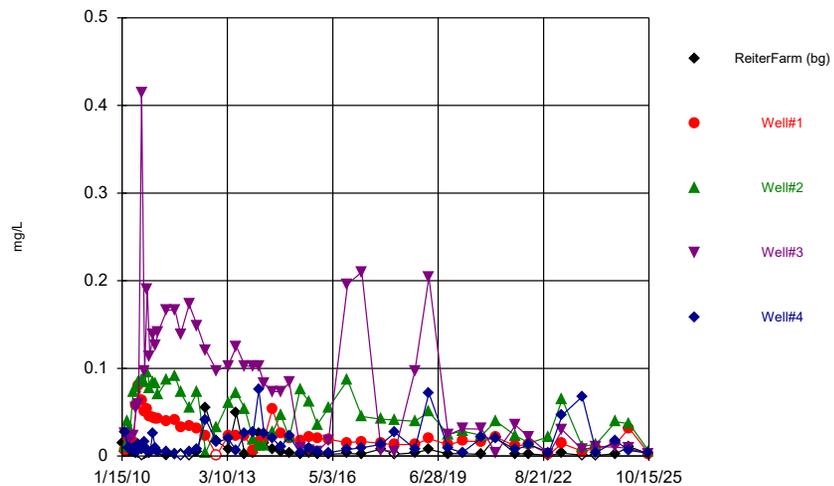
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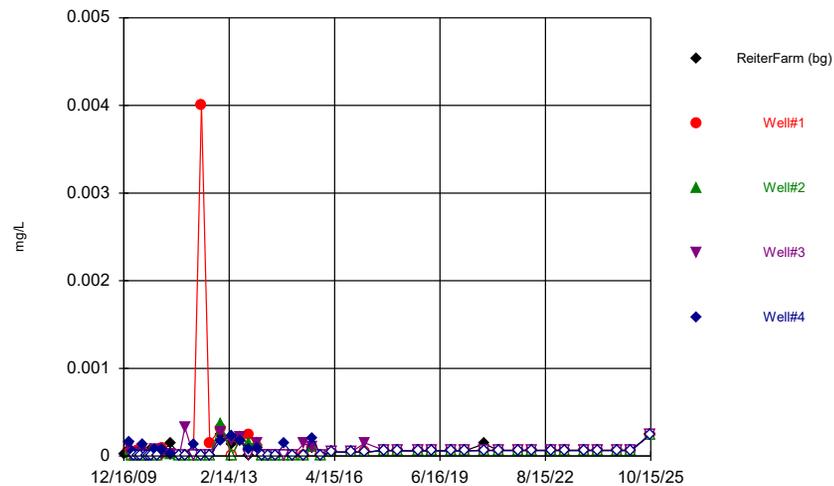
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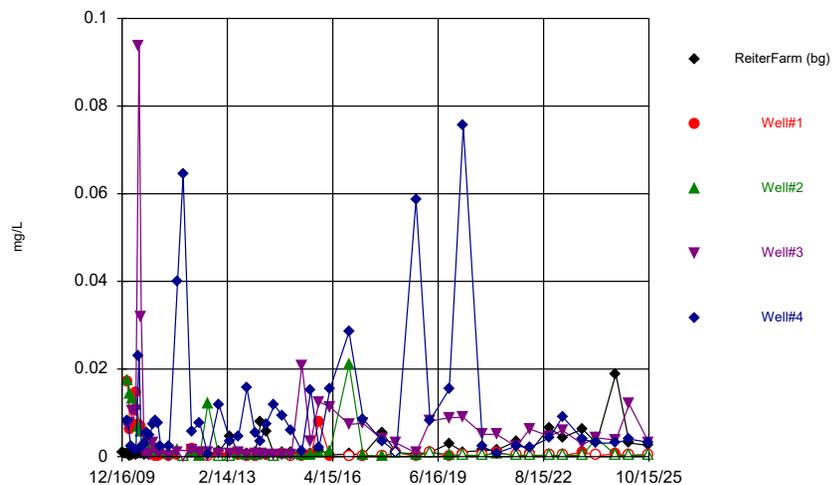
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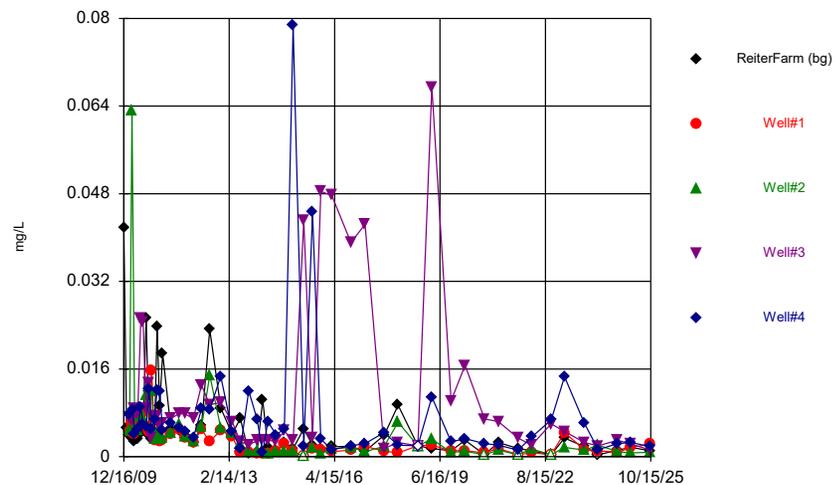
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



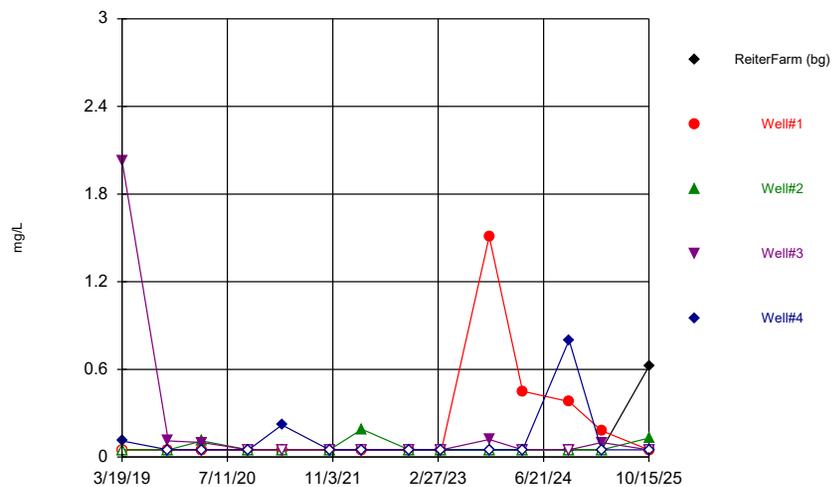
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Time Series



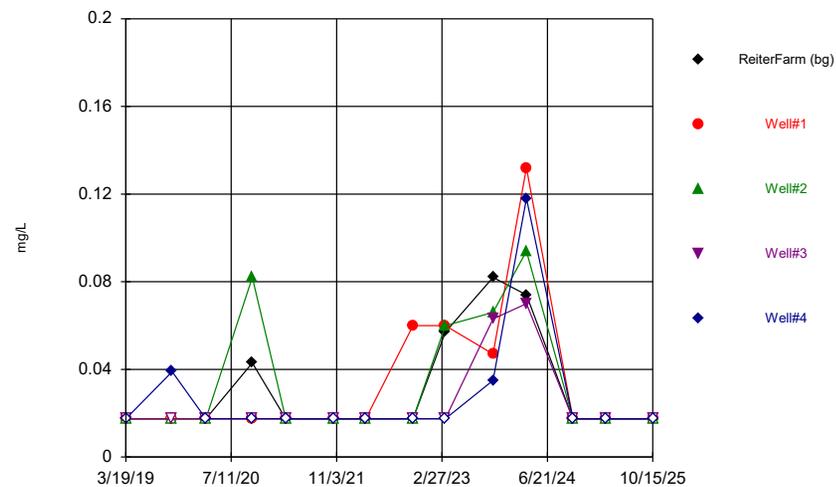
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



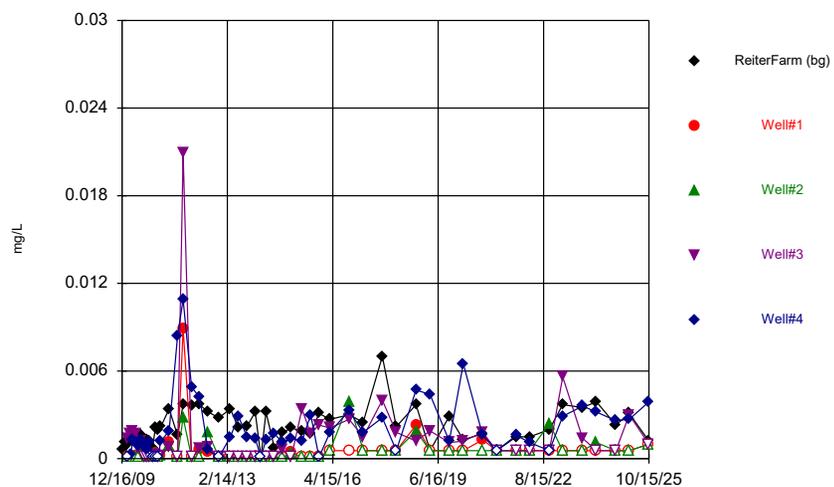
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Time Series



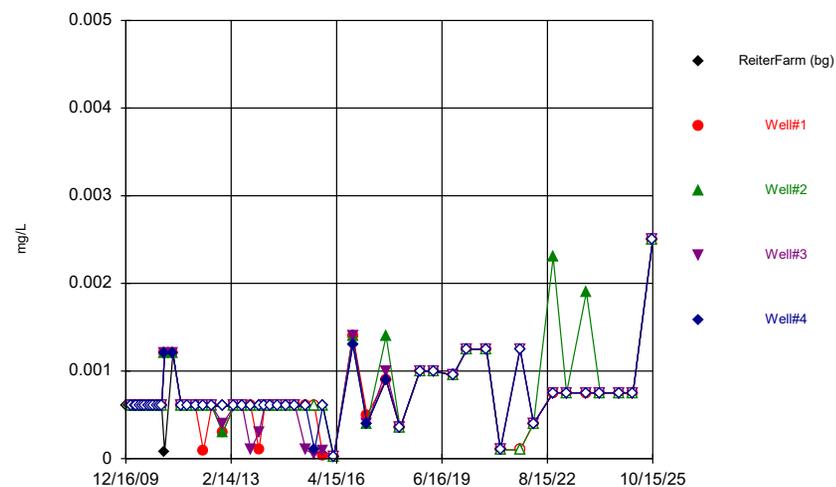
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



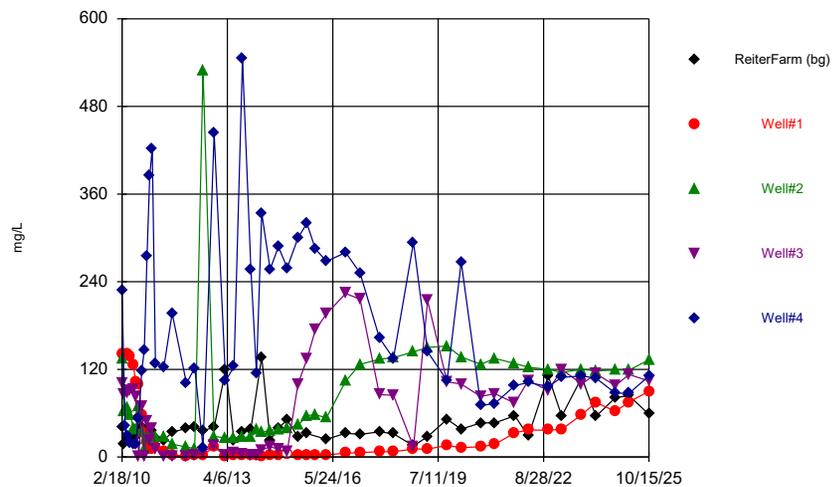
Constituent: Selenium Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



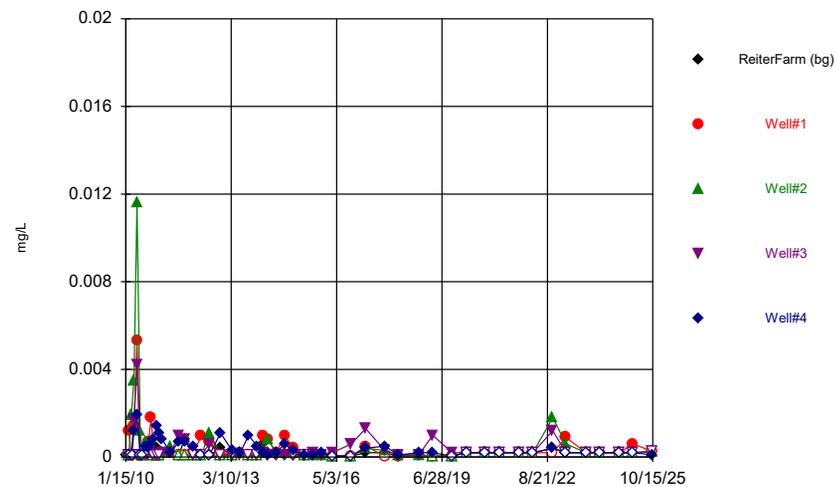
Constituent: Silver Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



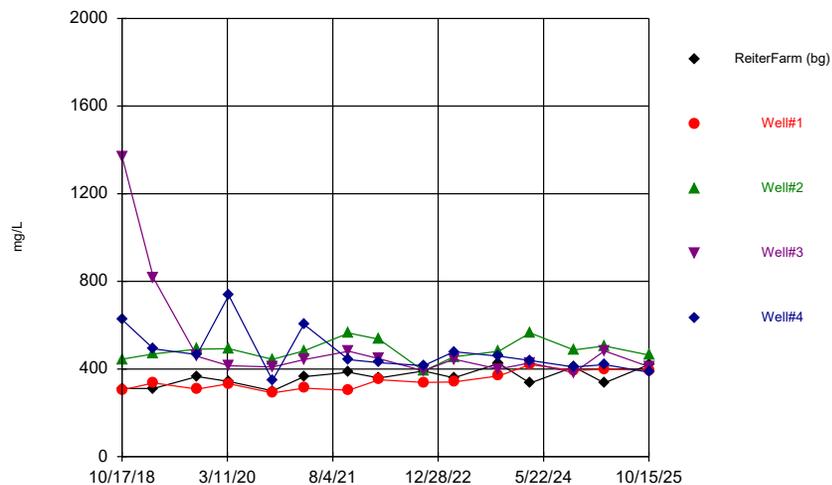
Constituent: Sulfate Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



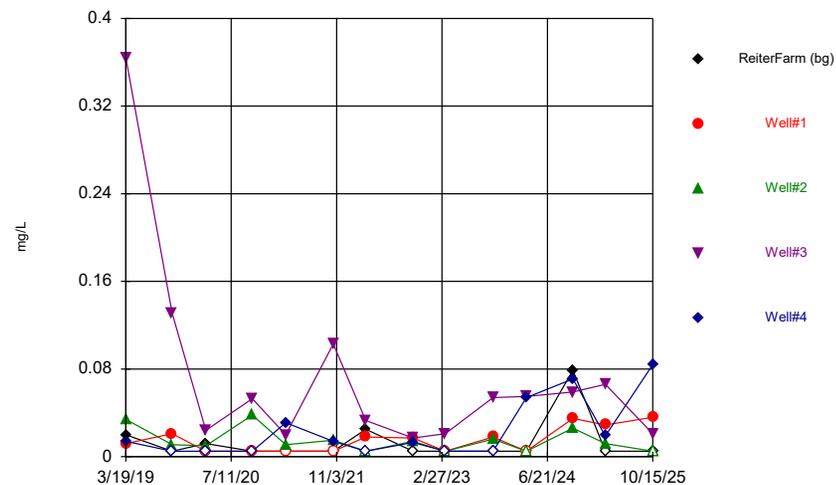
Constituent: Thallium Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



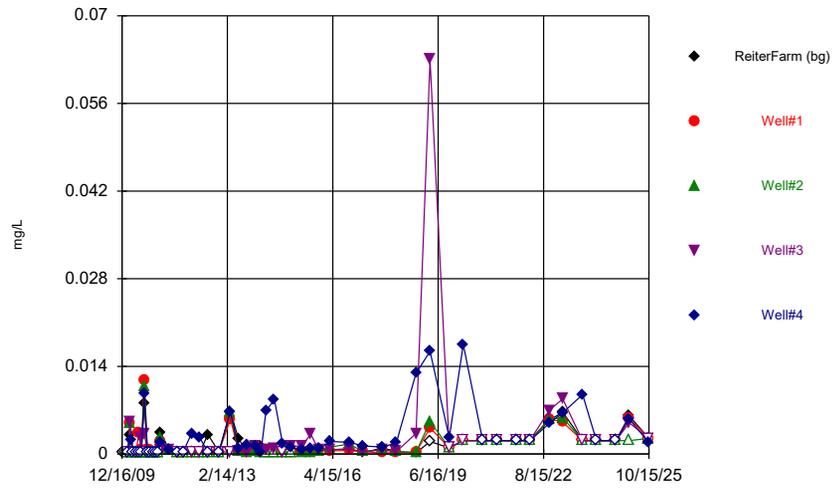
Constituent: Total Dissolved Solids Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



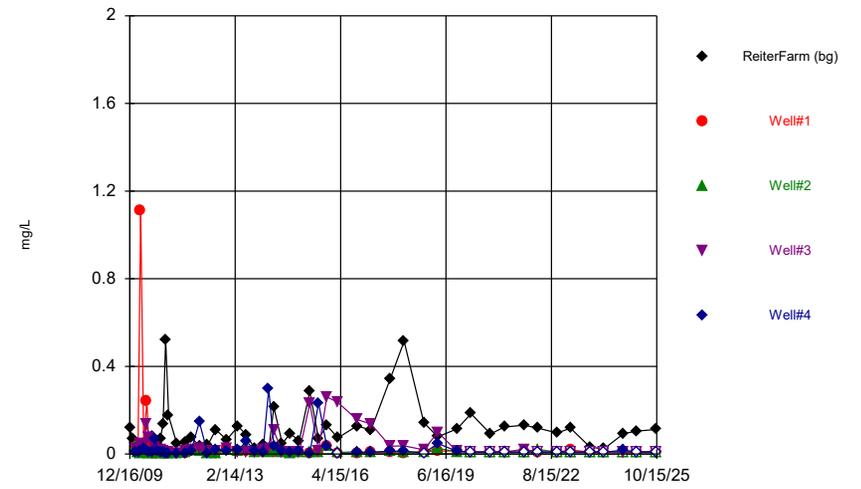
Constituent: Total Organic Halogens Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



Constituent: Vanadium Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Time Series



Constituent: Zinc Analysis Run 11/20/2025 5:39 PM View: 2025AWQR-Time_Series
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Outlier Tests Summary Table and Graphs

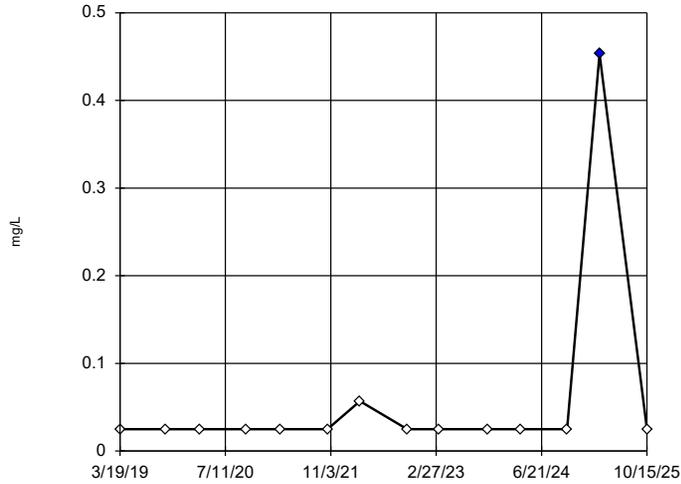
BG Outlier Analysis

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master Printed 11/20/2025, 7:53 PM

| Constituent | Well | Outlier | Value(s) | Date(s) | Method | Alpha | N | Mean | Std. Dev. | Distribution | Normality Test |
|--------------------------|------------------------|------------|--|---|--------------------|-------------|-----------|-------------------|-------------------|----------------|-----------------------|
| Aluminum (mg/L) | ReiterFarm (bg) | Yes | 0.453 | 3/13/2025 | OH | NaN | 14 | 0.05786 | 0.114 | n/a | n/a |
| Antimony (mg/L) | ReiterFarm (bg) | No | n/a | n/a | NP (nrm)/OH | NaN | 54 | 0.0003046 | 0.0002715 | unknown | ShapiroFrancia |
| Arsenic (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 54 | 0.0005495 | 0.0005529 | ln(x) | ShapiroFrancia |
| Barium (mg/L) | ReiterFarm (bg) | Yes | 0.267,0.241,0.241 | 3/14/2023,12/16/2009,10/12/2017 | Rosner/OH | 0.01 | 54 | 0.1221 | 0.03542 | normal | ShapiroFrancia |
| Beryllium (mg/L) | ReiterFarm (bg) | Yes | 0.001,0.0005,0.0004,0.0004,0.0002,0.0002,0... | 3/19/2019,10/15/2025,7/16/2010,12/16/... | OH | NaN | 54 | 0.00008292 | 0.0001623 | n/a | n/a |
| Boron (mg/L) | ReiterFarm (bg) | Yes | 0.063,0.08,0.089 | 9/20/2010,1/18/2012,10/18/2022 | NP (nrm)/OH | NaN | 54 | 0.0303 | 0.01746 | unknown | ShapiroWilk |
| Cadmium (mg/L) | ReiterFarm (bg) | Yes | 0.0004,0.0004,0.0002,0.0002,0.0002,0.0002,... | 12/16/2009,10/17/2011,2/18/2010,11/16... | NP (nrm)/OH | NaN | 51 | 0.0001267 | 0.00008501 | unknown | ShapiroFrancia |
| Chloride (mg/L) | ReiterFarm (bg) | Yes | 53.6 | 1/15/2010 | Rosner/OH | 0.01 | 51 | 23.95 | 7.102 | normal | ShapiroFrancia |
| Chromium (mg/L) | ReiterFarm (bg) | Yes | 0.0046,0.0102,0.0064,0.0048,0.0082 | 7/17/2012,11/14/2012,6/17/2013,10/12/... | NP (nrm)/OH | NaN | 54 | 0.001421 | 0.002029 | unknown | ShapiroFrancia |
| Cobalt (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 50 | 0.0003202 | 0.0003727 | ln(x) | ShapiroFrancia |
| Copper (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 54 | 0.04302 | 0.1032 | ln(x) | ShapiroFrancia |
| Fluoride (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 13 | 0.3385 | 0.166 | ln(x) | ShapiroWilk |
| Iron (mg/L) | ReiterFarm (bg) | Yes | 0.92 | 3/13/2025 | NP (nrm)/OH | NaN | 47 | 0.08559 | 0.1437 | unknown | ShapiroWilk |
| Lead (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 54 | 0.003948 | 0.005932 | ln(x) | ShapiroFrancia |
| Magnesium (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 51 | 22.04 | 1.842 | normal | ShapiroFrancia |
| Manganese (mg/L) | ReiterFarm (bg) | Yes | 0.0548,0.049,0.0258,0.0211 | 7/17/2012,6/17/2013,2/17/2014,3/17/2021 | NP (nrm)/OH | NaN | 50 | 0.006829 | 0.01067 | unknown | ShapiroFrancia |
| Mercury (mg/L) | ReiterFarm (bg) | No | n/a | n/a | NP (nrm)/OH | NaN | 54 | 0.00005602 | 0.0000553 | unknown | ShapiroFrancia |
| Molybdenum (mg/L) | ReiterFarm (bg) | Yes | 0.0078,0.0189 | 2/17/2014,10/16/2024 | NP (nrm)/OH | NaN | 54 | 0.00195 | 0.002991 | unknown | ShapiroFrancia |
| Nickel (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 54 | 0.005368 | 0.007616 | ln(x) | ShapiroFrancia |
| Selenium (mg/L) | ReiterFarm (bg) | Yes | 0.007 | 10/12/2017 | Rosner/OH | 0.01 | 54 | 0.002205 | 0.001207 | ln(x) | ShapiroFrancia |
| Silver (mg/L) | ReiterFarm (bg) | Yes | 0.0025 | 10/15/2025 | OH | NaN | 54 | 0.0006972 | 0.0003604 | n/a | n/a |
| Sulfate (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 49 | 44.68 | 26.58 | ln(x) | ShapiroWilk |
| Thallium (mg/L) | ReiterFarm (bg) | No | n/a | n/a | NP (nrm)/OH | NaN | 53 | 0.0001755 | 0.0001375 | unknown | ShapiroFrancia |
| Vanadium (mg/L) | ReiterFarm (bg) | No | n/a | n/a | NP (nrm)/OH | NaN | 54 | 0.001558 | 0.001875 | unknown | ShapiroFrancia |
| Zinc (mg/L) | ReiterFarm (bg) | No | n/a | n/a | EPA/OH | 0.05 | 54 | 0.1094 | 0.1015 | ln(x) | ShapiroFrancia |

Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

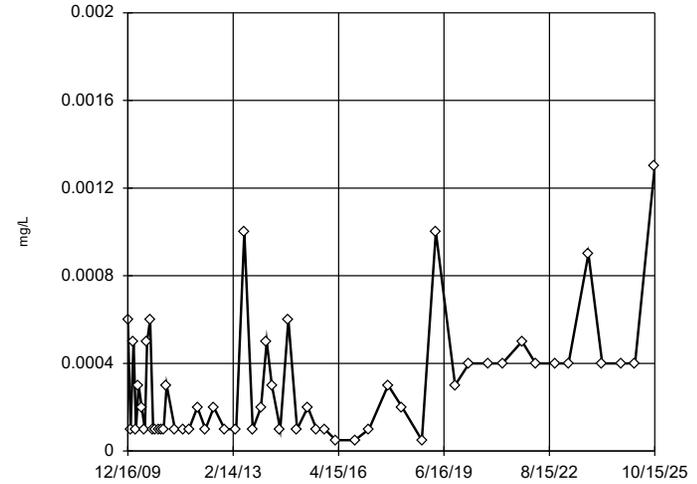


n = 14
 Statistical outlier is drawn as solid.
 Outlier per Ohio method.

Constituent: Aluminum Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

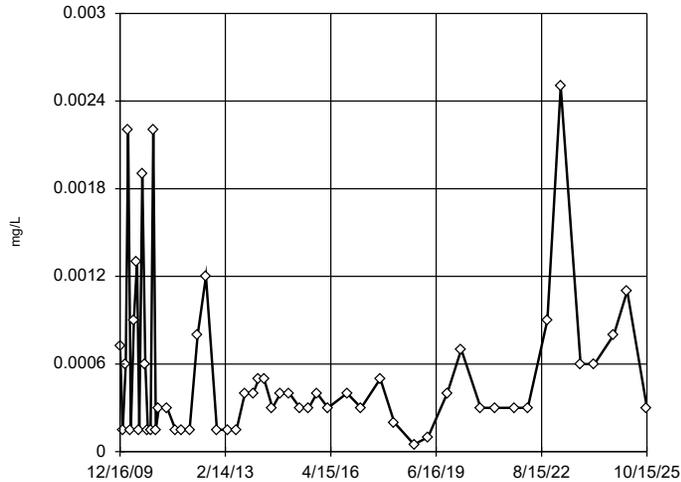


n = 54
 No outliers found.
 Tukey's method used in lieu of parametric test because the Shapiro Francia normality test failed at the 0.01 alpha level.
 The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Antimony Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)

ReiterFarm (bg)

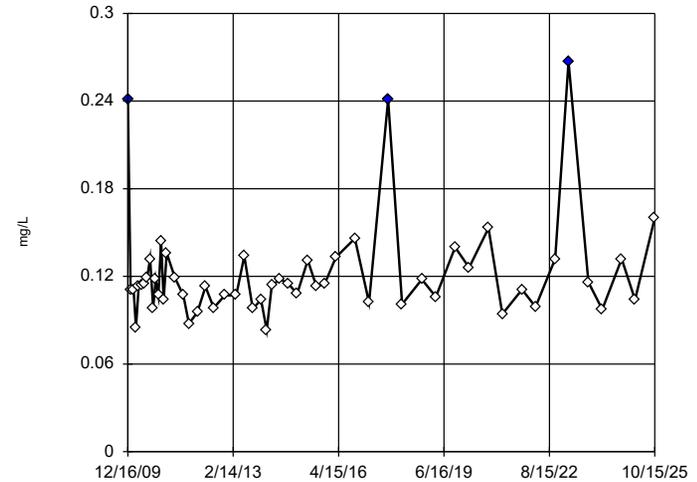


n = 54
 Rosner's will not be run. No suspect values identified or unable to establish suspect values. Ohio method in use. Mean 0.0005495, std. dev. 0.0005529, critical Tn 2.986
 Normality test used: Shapiro Francia@alpha = 0.01
 Calculated = 0.9591
 Critical = 0.939 (after natural log transformation)
 The distribution was found to be log-normal.

Constituent: Arsenic Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

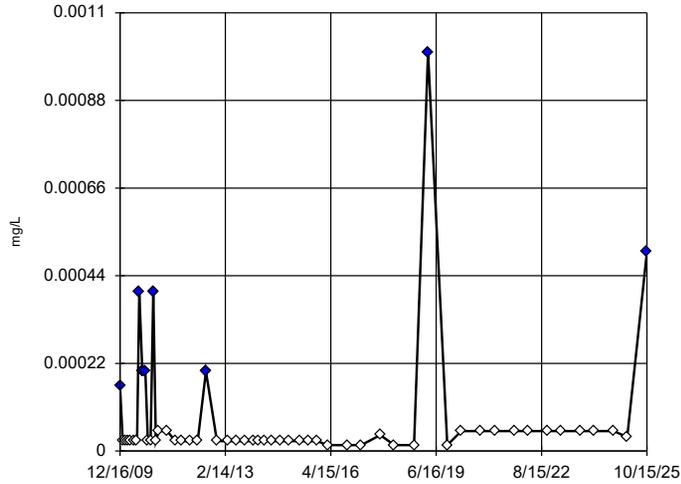


n = 54
 Statistical outliers are drawn as solid.
 k = 5
 r = 5.107
 Tabulated value = 2.948
 Alpha = 0.01
 Normality test used: Shapiro Francia@alpha = 0.01
 Calculated = 0.9627
 Critical = 0.935
 The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

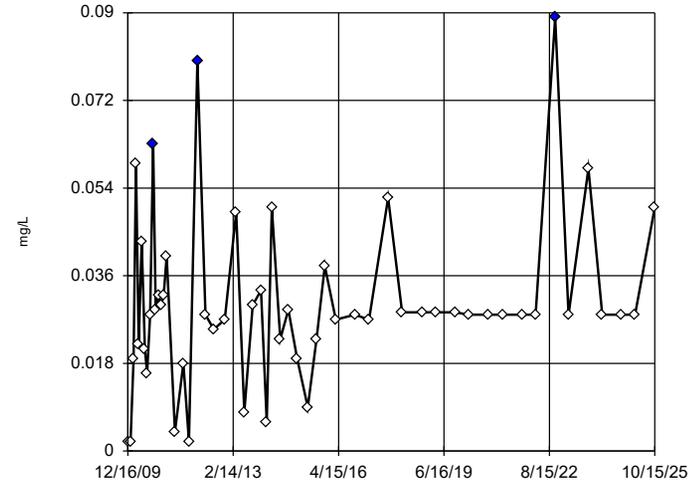


n = 54
 Statistical outliers are drawn as solid.
 Outliers per Ohio method.

Constituent: Beryllium Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

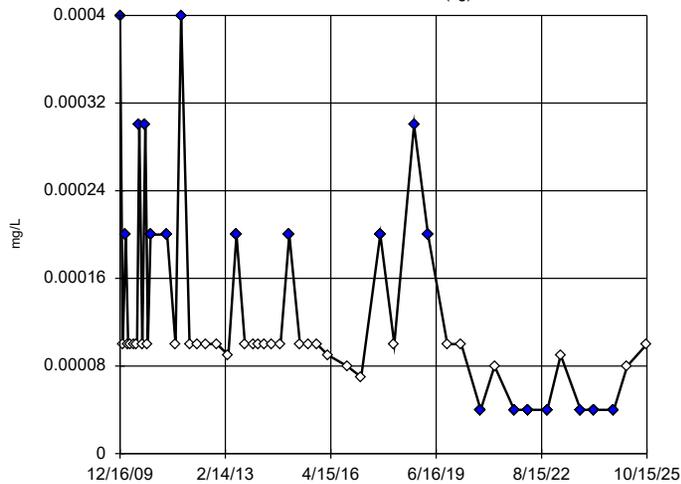


n = 54
 Outliers are drawn as solid.
 Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.
 High cutoff = 0.0625,
 low cutoff = -0.0075,
 based on IQR multiplier of 3.

Constituent: Boron Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)

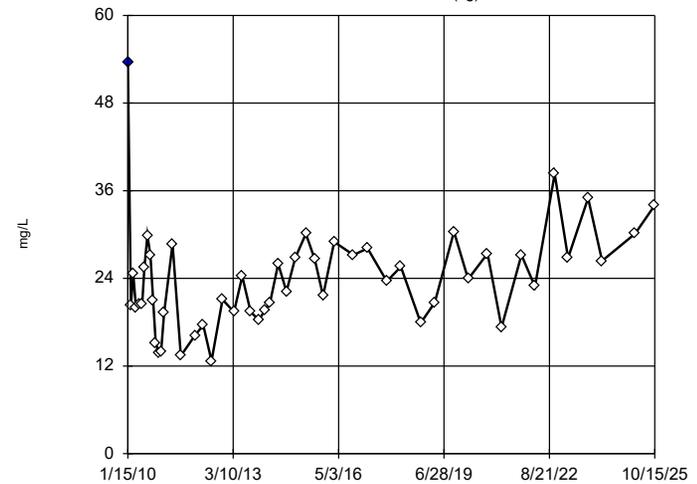


n = 51
 Outliers are drawn as solid.
 Tukey's method used in lieu of parametric test because the Shapiro Francia normality test failed at the 0.01 alpha level.
 High cutoff = 0.00013,
 low cutoff = 0.00006,
 based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm

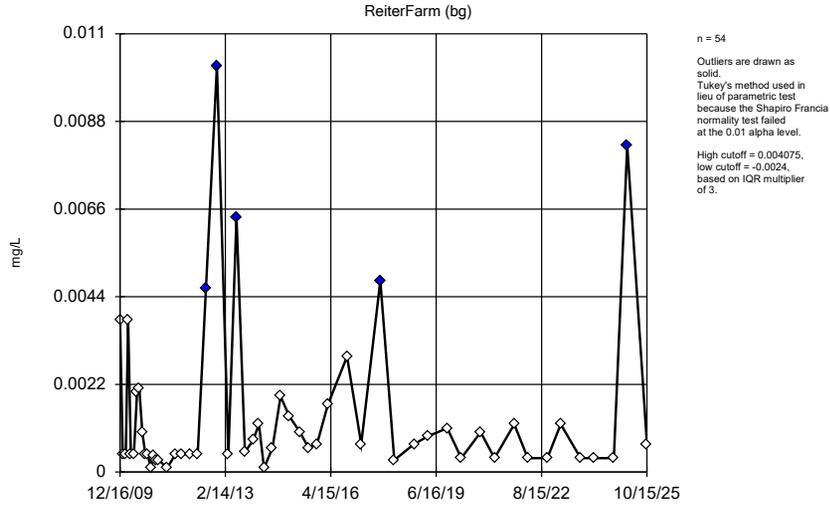
ReiterFarm (bg)



n = 51
 Statistical outlier is drawn as solid.
 k = 1
 r = 4.174
 Tabulated value = 3.089
 Alpha = 0.01
 Normality test used:
 Shapiro Francia@alpha = 0.01
 Calculated = 0.9826
 Critical = 0.935
 The distribution, after removal of suspect value, was found to be normally distributed.

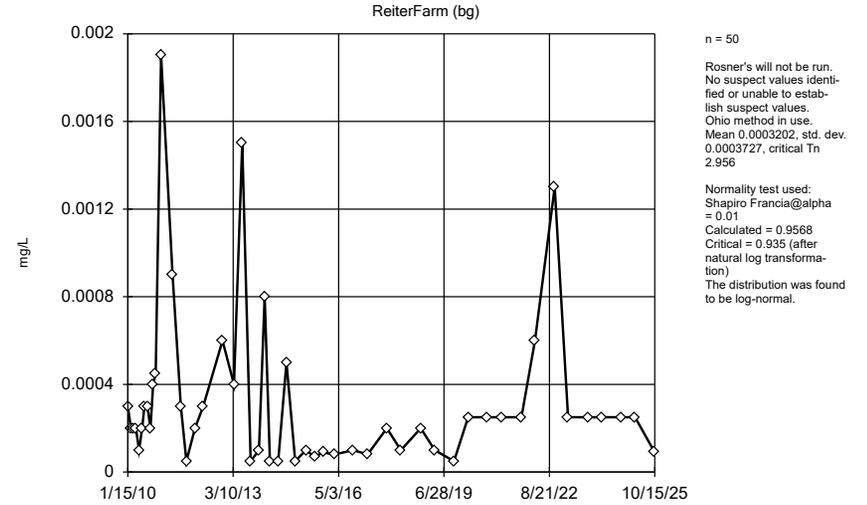
Constituent: Chloride Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



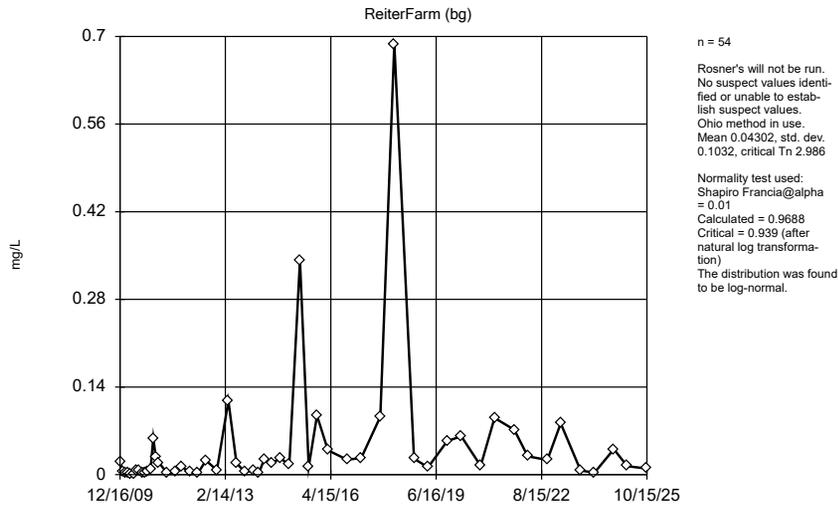
Constituent: Chromium Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)



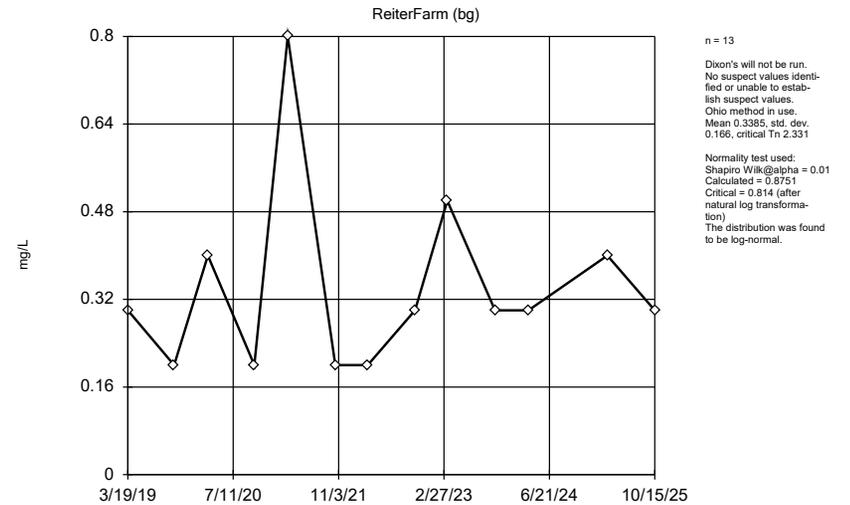
Constituent: Cobalt Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)



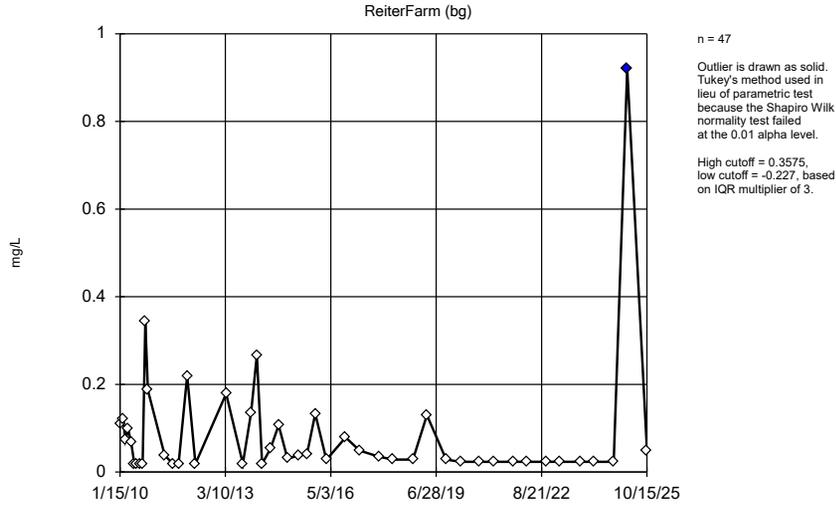
Constituent: Copper Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Dixon's Test)



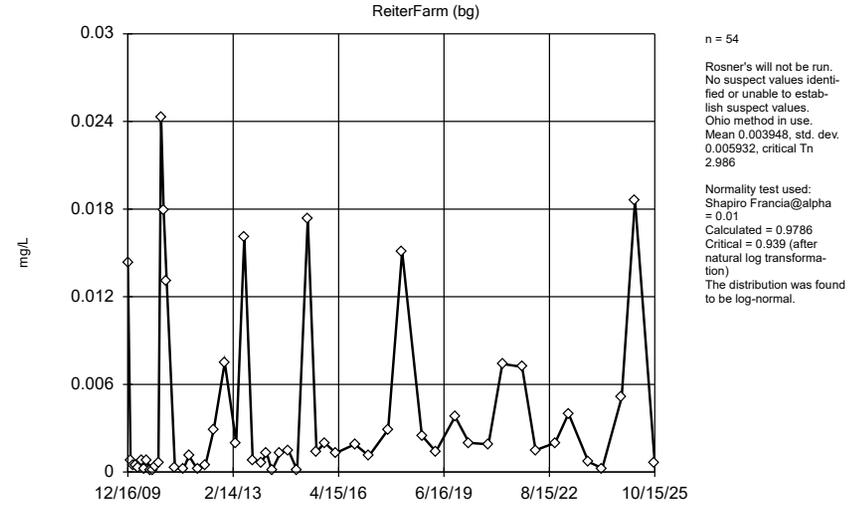
Constituent: Fluoride Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



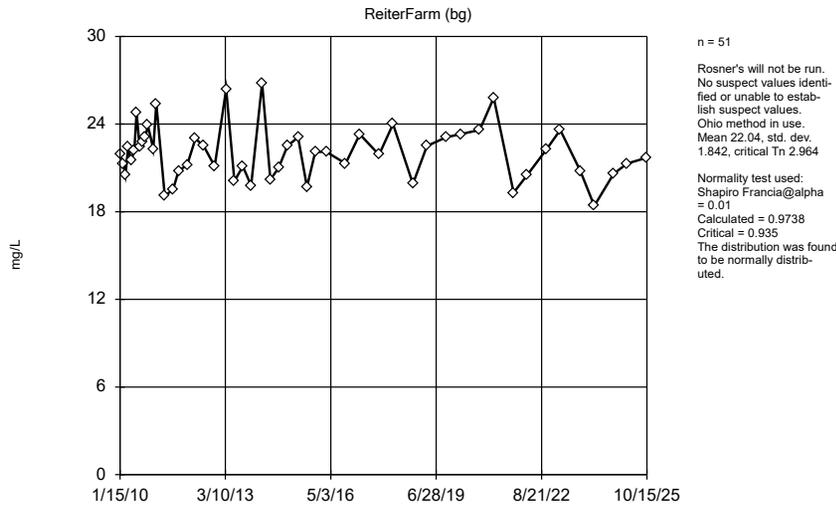
Constituent: Iron Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)



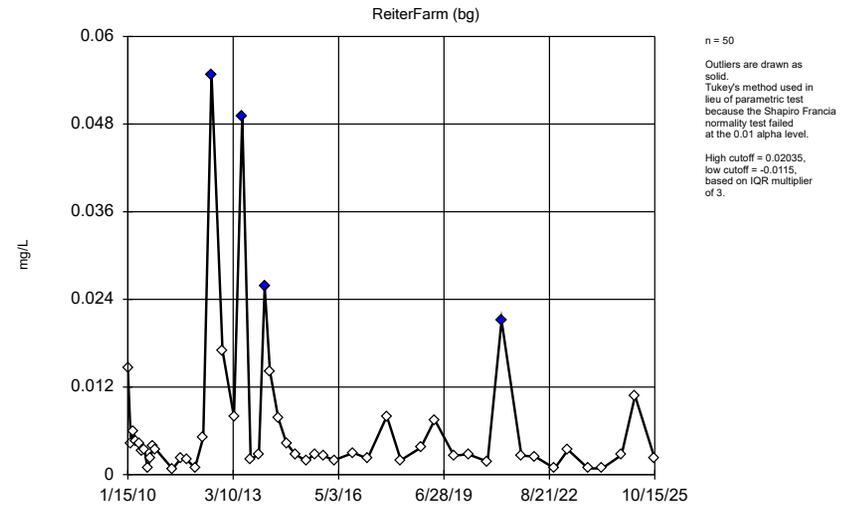
Constituent: Lead Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)



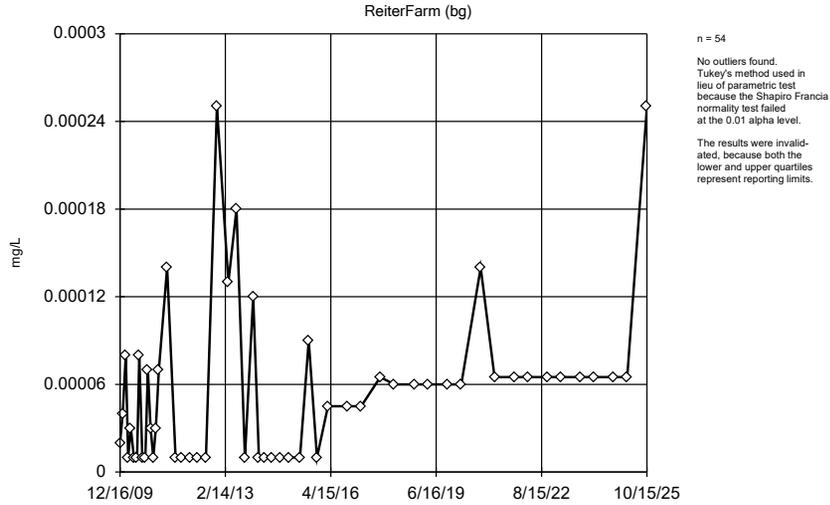
Constituent: Magnesium Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



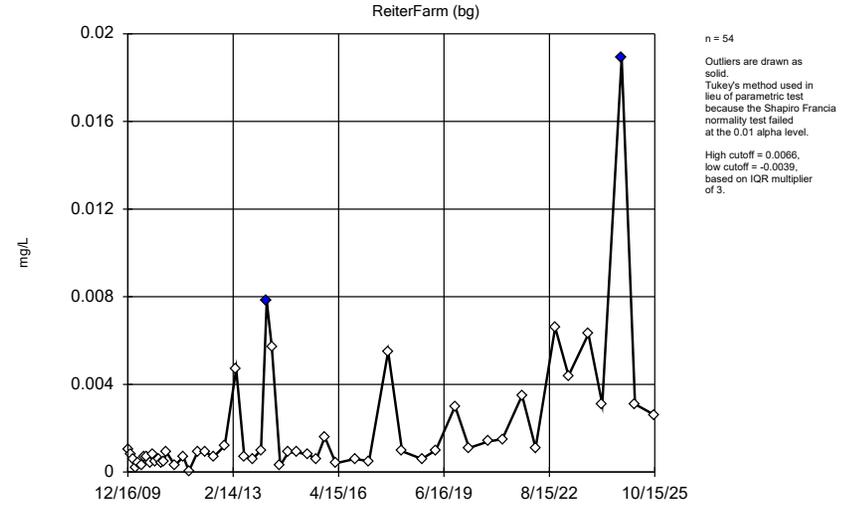
Constituent: Manganese Analysis Run 11/20/2025 7:44 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



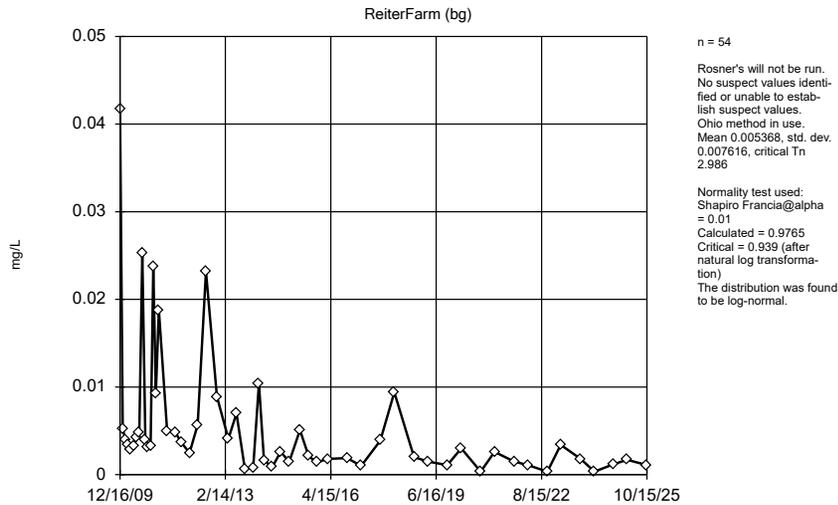
Constituent: Mercury Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



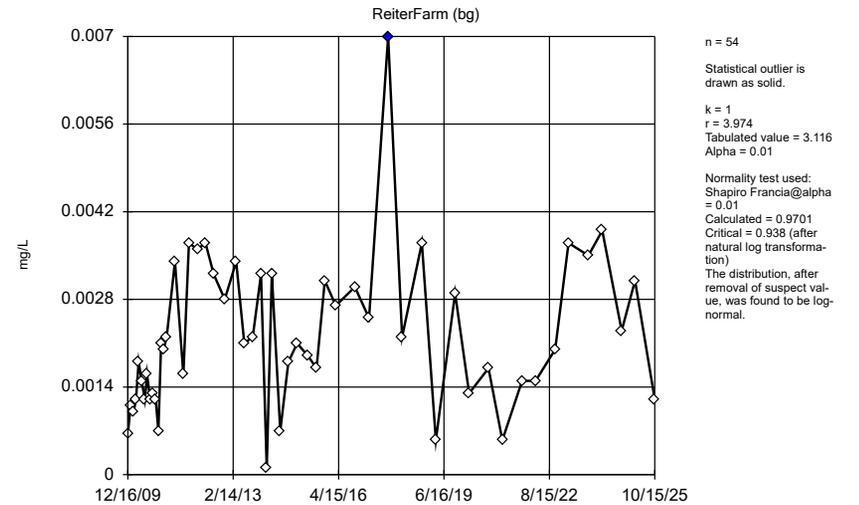
Constituent: Molybdenum Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)



Constituent: Nickel Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

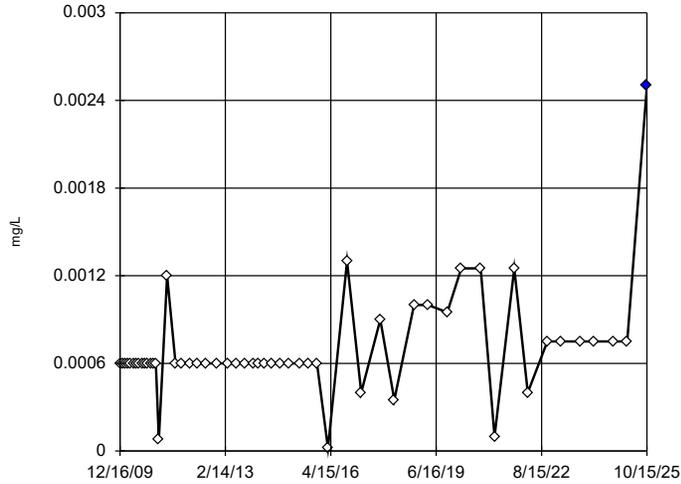
Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm



Constituent: Selenium Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Ohio EPA 0715 Outlier Algorithm

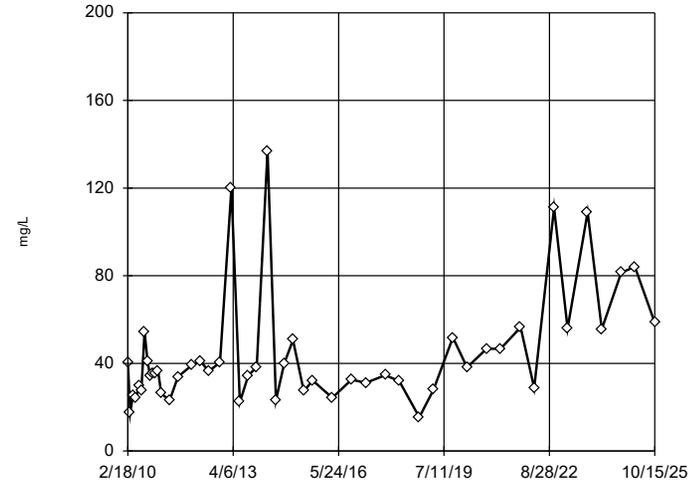
ReiterFarm (bg)



Constituent: Silver Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

EPA Screening (suspected outliers for Rosner's Test)

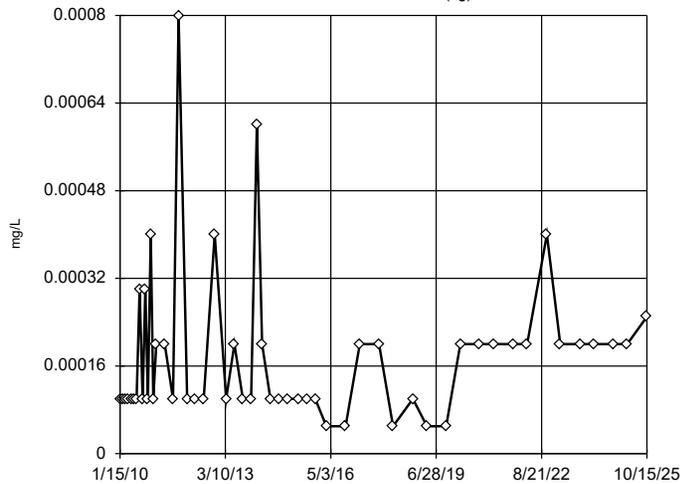
ReiterFarm (bg)



Constituent: Sulfate Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

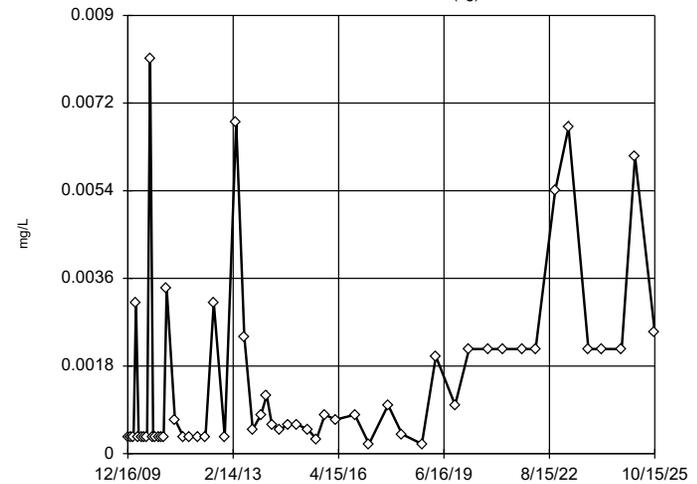
ReiterFarm (bg)



Constituent: Thallium Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

ReiterFarm (bg)



Constituent: Vanadium Analysis Run 11/20/2025 7:45 PM View: 2025AWQR-BG Outliers
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: Sanitas ISU CCR master

Mann-Kendall/Sen's Slope Trend Test Summary Table and Graphs

Trend Test

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS Printed 11/20/2025, 10:08 PM

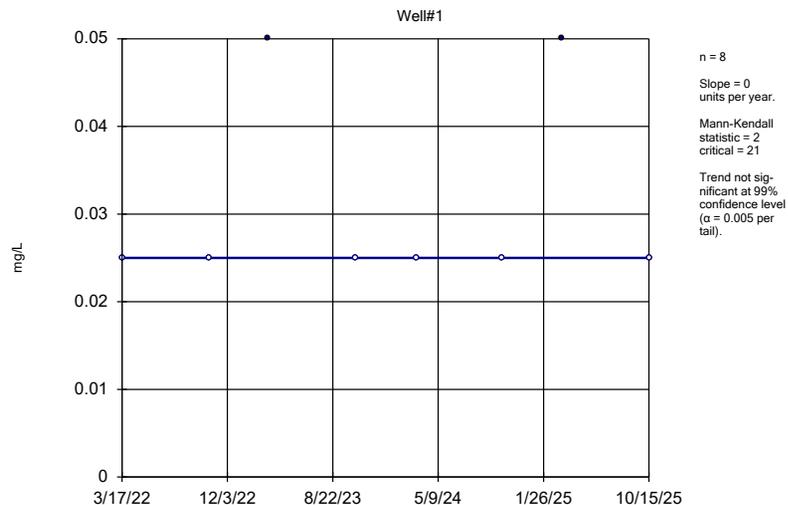
| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Alpha</u> | <u>Method</u> |
|--------------------|-------------|--------------|--------------|-----------------|-------------|----------|-------------|--------------|---------------|
| Aluminum (mg/L) | Well#1 | 0 | 2 | 21 | No | 8 | 75 | 0.01 | NP |
| Aluminum (mg/L) | Well#2 | -0.005413 | -10 | -21 | No | 8 | 62.5 | 0.01 | NP |
| Aluminum (mg/L) | Well#3 | 0 | -8 | -21 | No | 8 | 62.5 | 0.01 | NP |
| Aluminum (mg/L) | Well#4 | -0.04494 | -3 | -21 | No | 8 | 25 | 0.01 | NP |
| Arsenic (mg/L) | Well#1 | -0.0000186 | 0 | 21 | No | 8 | 0 | 0.01 | NP |
| Arsenic (mg/L) | Well#2 | -0.00002081 | -2 | -21 | No | 8 | 12.5 | 0.01 | NP |
| Arsenic (mg/L) | Well#3 | 0.000114 | 5 | 21 | No | 8 | 12.5 | 0.01 | NP |
| Arsenic (mg/L) | Well#4 | 0.0005234 | 14 | 21 | No | 8 | 12.5 | 0.01 | NP |
| Barium (mg/L) | Well#1 | -0.09283 | -18 | -21 | No | 8 | 0 | 0.01 | NP |
| Barium (mg/L) | Well#2 | 0.003618 | 10 | 21 | No | 8 | 0 | 0.01 | NP |
| Barium (mg/L) | Well#3 | -0.01212 | -12 | -21 | No | 8 | 0 | 0.01 | NP |
| Barium (mg/L) | Well#4 | -0.00543 | -6 | -21 | No | 8 | 0 | 0.01 | NP |
| Chloride (mg/L) | Well#1 | 0.6515 | 19 | 21 | No | 8 | 0 | 0.01 | NP |
| Chloride (mg/L) | Well#2 | 0 | -2 | -21 | No | 8 | 0 | 0.01 | NP |
| Chloride (mg/L) | Well#3 | -0.4134 | -4 | -21 | No | 8 | 0 | 0.01 | NP |
| Chloride (mg/L) | Well#4 | 2.472 | 20 | 21 | No | 8 | 0 | 0.01 | NP |
| Chromium (mg/L) | Well#3 | 0 | 3 | 21 | No | 8 | 75 | 0.01 | NP |
| Chromium (mg/L) | Well#4 | -0.000314 | -7 | -21 | No | 8 | 25 | 0.01 | NP |
| Copper (mg/L) | Well#1 | -0.0001834 | -3 | -21 | No | 8 | 0 | 0.01 | NP |
| Copper (mg/L) | Well#2 | -0.0007074 | -10 | -21 | No | 8 | 0 | 0.01 | NP |
| Copper (mg/L) | Well#3 | 0.0001927 | 2 | 21 | No | 8 | 0 | 0.01 | NP |
| Copper (mg/L) | Well#4 | -0.00038 | -6 | -21 | No | 8 | 0 | 0.01 | NP |
| Fluoride (mg/L) | Well#1 | 0 | 9 | 21 | No | 8 | 0 | 0.01 | NP |
| Fluoride (mg/L) | Well#2 | 0.05734 | 18 | 21 | No | 8 | 0 | 0.01 | NP |
| Fluoride (mg/L) | Well#3 | 0.01253 | 6 | 21 | No | 8 | 0 | 0.01 | NP |
| Fluoride (mg/L) | Well#4 | 0 | -5 | -21 | No | 8 | 0 | 0.01 | NP |
| Iron (mg/L) | Well#1 | -0.004824 | 0 | 21 | No | 8 | 0 | 0.01 | NP |
| Iron (mg/L) | Well#2 | 0.2309 | 10 | 21 | No | 8 | 0 | 0.01 | NP |
| Iron (mg/L) | Well#3 | -0.001086 | 0 | 21 | No | 8 | 25 | 0.01 | NP |
| Iron (mg/L) | Well#4 | -0.0831 | -8 | -21 | No | 8 | 25 | 0.01 | NP |
| Lead (mg/L) | Well#1 | 0 | -3 | -21 | No | 8 | 62.5 | 0.01 | NP |
| Lead (mg/L) | Well#2 | 0 | -5 | -21 | No | 8 | 75 | 0.01 | NP |
| Lead (mg/L) | Well#3 | 0 | 1 | 21 | No | 8 | 75 | 0.01 | NP |
| Lead (mg/L) | Well#4 | -0.0000736 | -9 | -21 | No | 8 | 37.5 | 0.01 | NP |
| Magnesium (mg/L) | Well#1 | 0.4521 | 11 | 21 | No | 8 | 0 | 0.01 | NP |
| Magnesium (mg/L) | Well#2 | 0.5548 | 6 | 21 | No | 8 | 0 | 0.01 | NP |
| Magnesium (mg/L) | Well#3 | 0.04186 | 1 | 21 | No | 8 | 0 | 0.01 | NP |
| Magnesium (mg/L) | Well#4 | -2.275 | -16 | -21 | No | 8 | 0 | 0.01 | NP |
| Manganese (mg/L) | Well#1 | 0.000369 | 4 | 21 | No | 8 | 0 | 0.01 | NP |
| Manganese (mg/L) | Well#2 | -0.002602 | -4 | -21 | No | 8 | 0 | 0.01 | NP |
| Manganese (mg/L) | Well#3 | -0.004095 | -10 | -21 | No | 8 | 0 | 0.01 | NP |
| Manganese (mg/L) | Well#4 | -0.002498 | -6 | -21 | No | 8 | 0 | 0.01 | NP |
| Molybdenum (mg/L) | Well#2 | 0 | 7 | 21 | No | 8 | 87.5 | 0.01 | NP |
| Molybdenum (mg/L) | Well#3 | -0.0005513 | -8 | -21 | No | 8 | 0 | 0.01 | NP |
| Molybdenum (mg/L) | Well#4 | -0.00006243 | -2 | -21 | No | 8 | 0 | 0.01 | NP |
| Nickel (mg/L) | Well#1 | 0.0003559 | 10 | 21 | No | 8 | 12.5 | 0.01 | NP |
| Nickel (mg/L) | Well#3 | -0.001077 | -12 | -21 | No | 8 | 0 | 0.01 | NP |
| Nickel (mg/L) | Well#4 | -0.001249 | -12 | -21 | No | 8 | 0 | 0.01 | NP |
| Selenium (mg/L) | Well#3 | 0 | 4 | 21 | No | 8 | 62.5 | 0.01 | NP |
| Selenium (mg/L) | Well#4 | 0.0005574 | 12 | 21 | No | 8 | 12.5 | 0.01 | NP |

Trend Test

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS Printed 11/20/2025, 10:08 PM

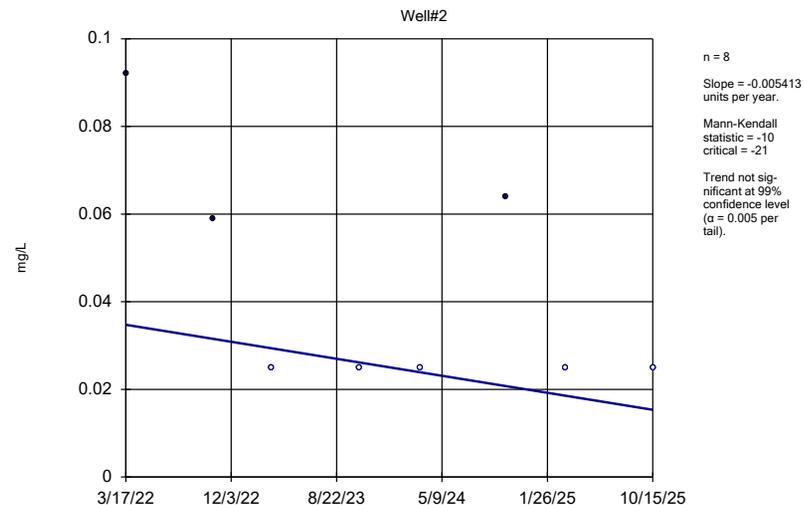
| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Alpha</u> | <u>Method</u> |
|-----------------------|---------------|--------------|--------------|-----------------|-------------|----------|-------------|--------------|---------------|
| Silver (mg/L) | Well#2 | 0.00003339 | 6 | 21 | No | 8 | 75 | 0.01 | NP |
| Sulfate (mg/L) | Well#1 | 15.74 | 24 | 21 | Yes | 8 | 0 | 0.01 | NP |
| Sulfate (mg/L) | Well#2 | 0 | 0 | 21 | No | 8 | 0 | 0.01 | NP |
| Sulfate (mg/L) | Well#3 | 0.8632 | 0 | 21 | No | 8 | 0 | 0.01 | NP |
| Sulfate (mg/L) | Well#4 | -0.3699 | -1 | -21 | No | 8 | 0 | 0.01 | NP |
| Thallium (mg/L) | Well#1 | 0 | 6 | 21 | No | 8 | 75 | 0.01 | NP |
| Thallium (mg/L) | Well#2 | 0 | -4 | -21 | No | 8 | 75 | 0.01 | NP |
| Thallium (mg/L) | Well#3 | 0 | 1 | 21 | No | 8 | 87.5 | 0.01 | NP |
| Vanadium (mg/L) | Well#3 | 0 | 0 | 21 | No | 8 | 62.5 | 0.01 | NP |
| Vanadium (mg/L) | Well#4 | -0.0001597 | -5 | -21 | No | 8 | 37.5 | 0.01 | NP |
| Zinc (mg/L) | Well#2 | 0 | -1 | -21 | No | 8 | 87.5 | 0.01 | NP |

Sen's Slope Estimator



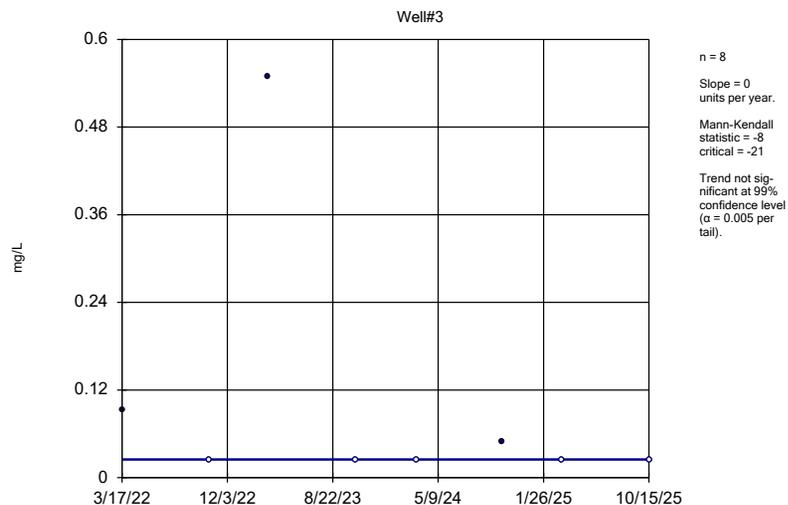
Constituent: Aluminum Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator



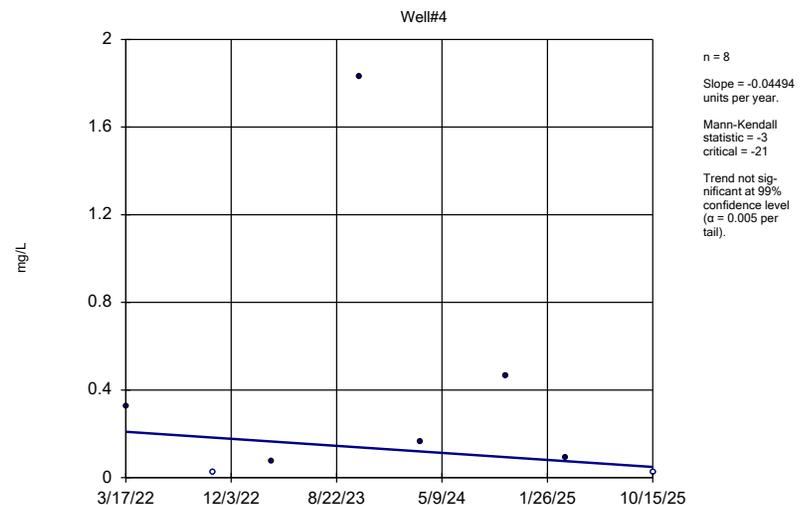
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BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator



Constituent: Aluminum Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

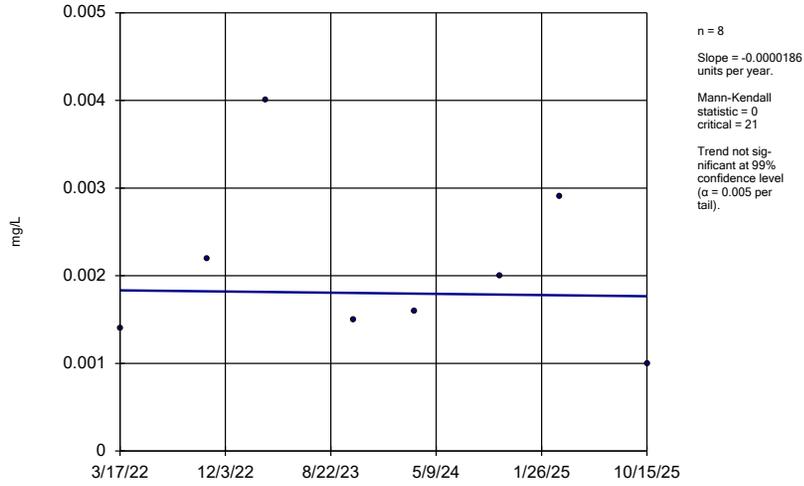
Sen's Slope Estimator



Constituent: Aluminum Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

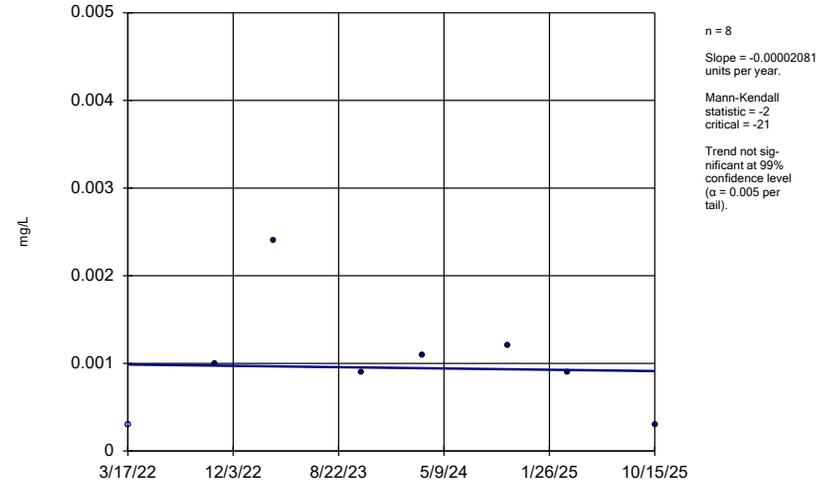
Well#1



Constituent: Arsenic Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

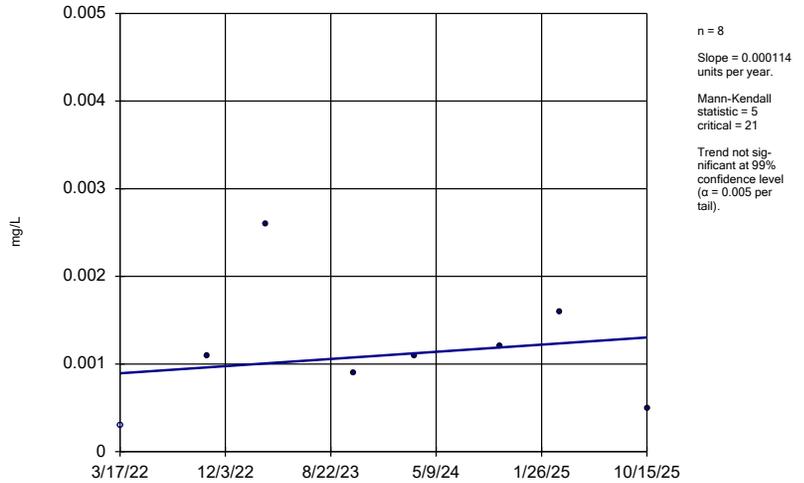
Well#2



Constituent: Arsenic Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

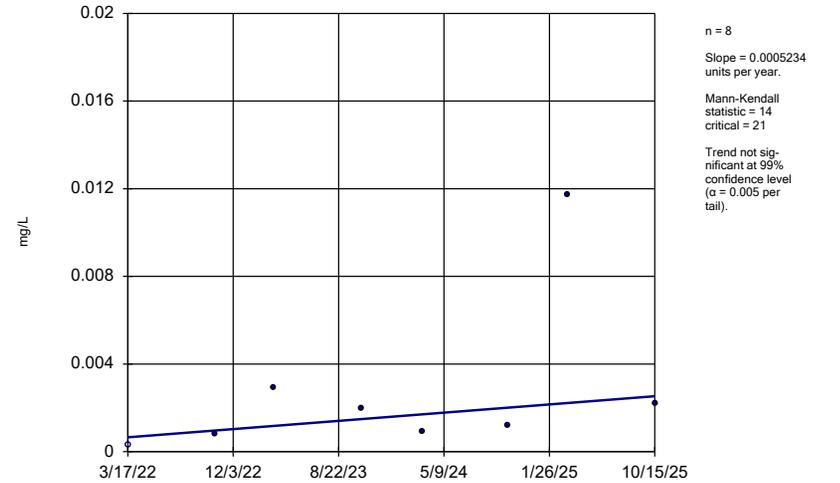
Well#3



Constituent: Arsenic Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

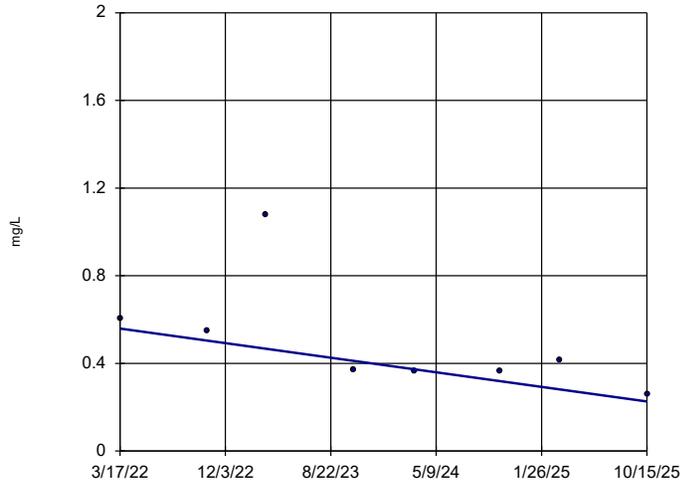
Well#4



Constituent: Arsenic Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#1

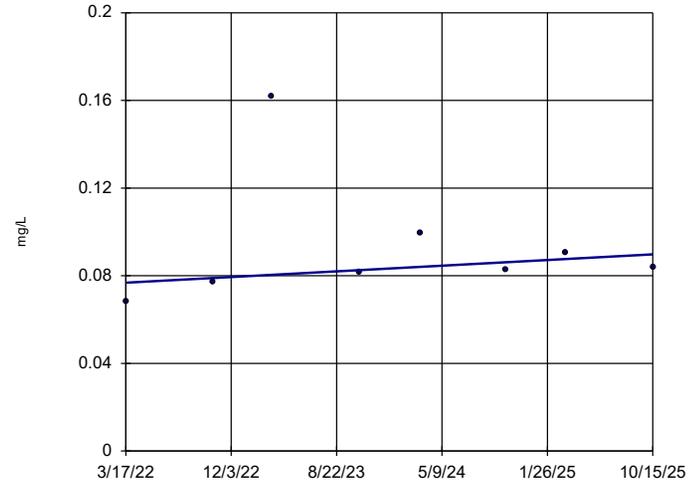


n = 8
 Slope = -0.09283
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#2

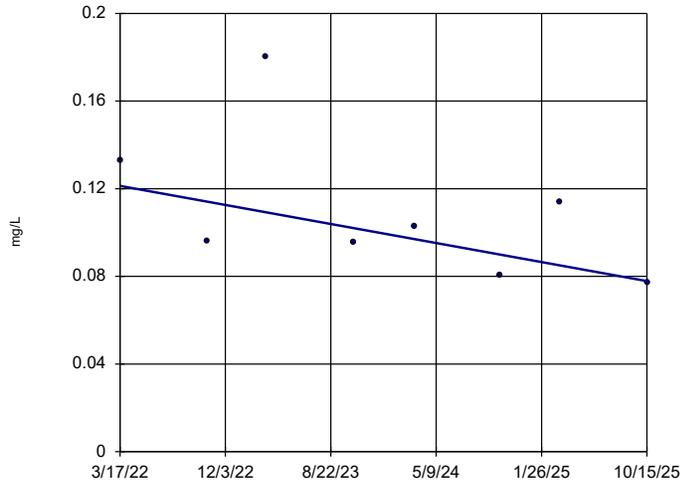


n = 8
 Slope = 0.003618
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#3

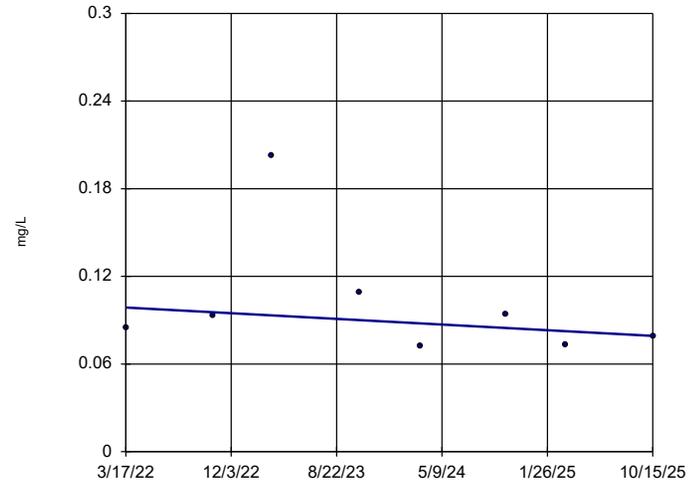


n = 8
 Slope = -0.01212
 units per year.
 Mann-Kendall
 statistic = -12
 critical = -21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#4

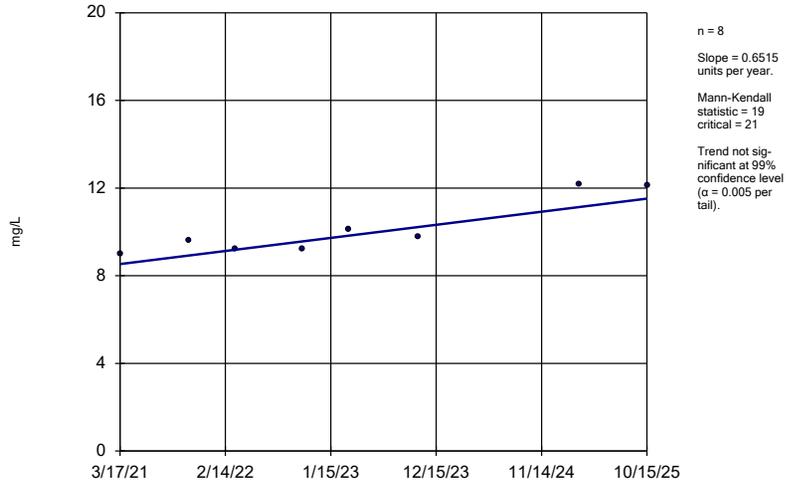


n = 8
 Slope = -0.00543
 units per year.
 Mann-Kendall
 statistic = -6
 critical = -21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

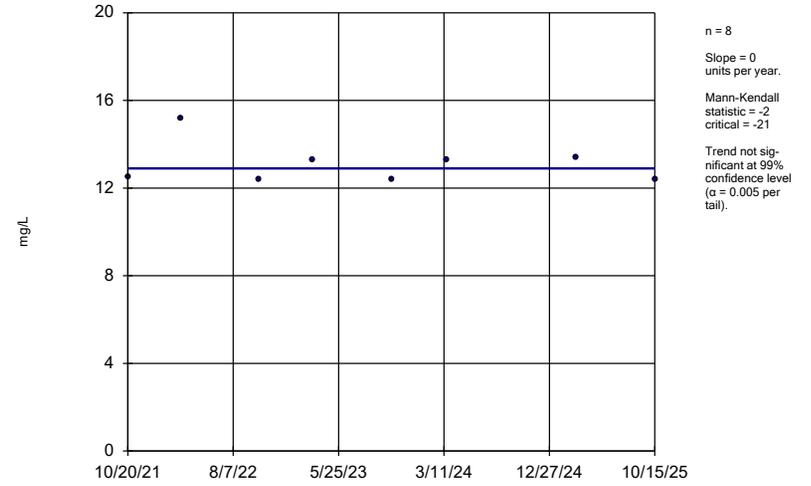
Well#1



Constituent: Chloride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

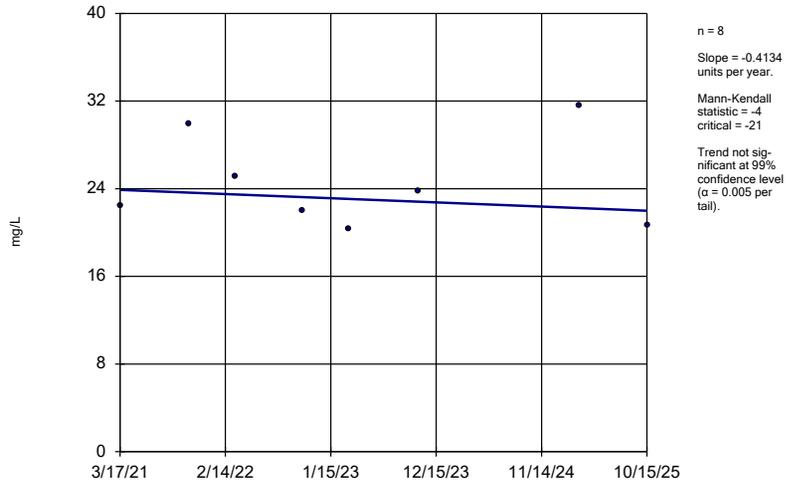
Well#2



Constituent: Chloride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

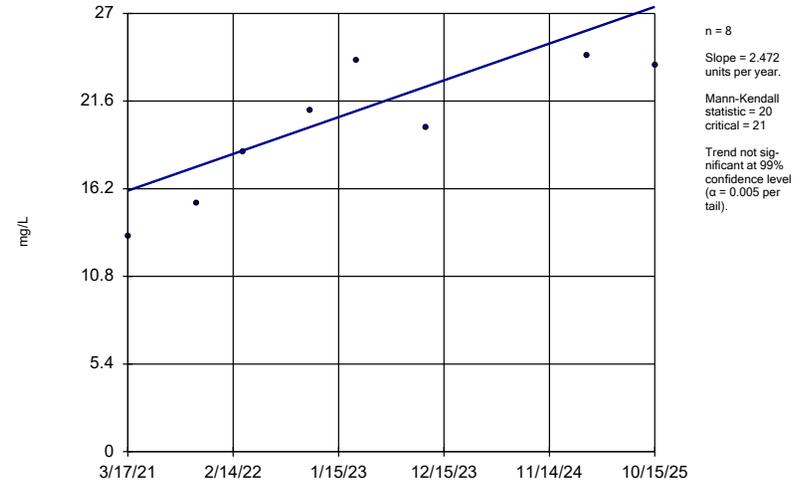
Well#3



Constituent: Chloride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

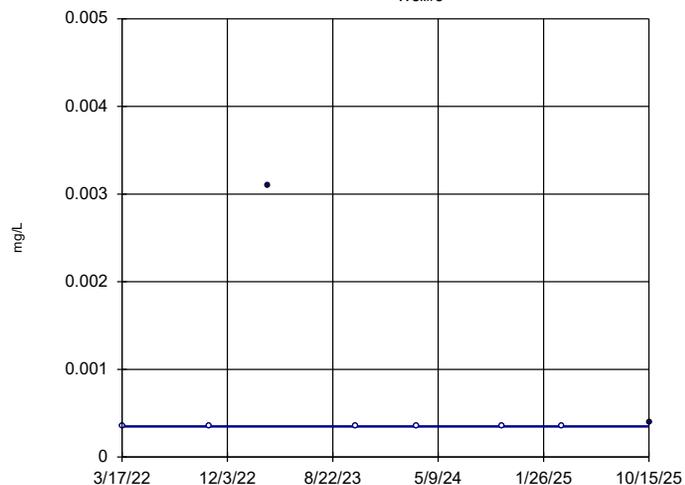
Well#4



Constituent: Chloride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#3

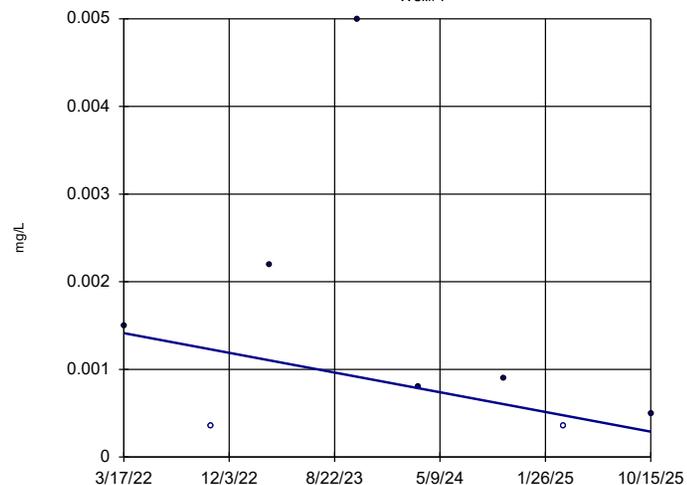


n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 3
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#4

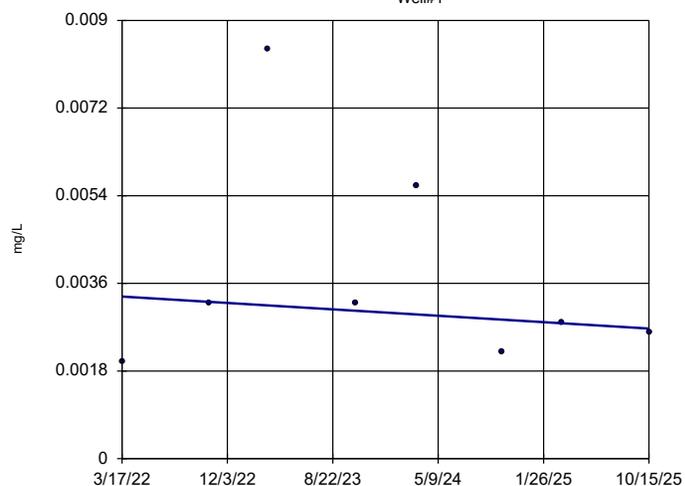


n = 8
Slope = -0.000314
units per year.
Mann-Kendall
statistic = -7
critical = -21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#1

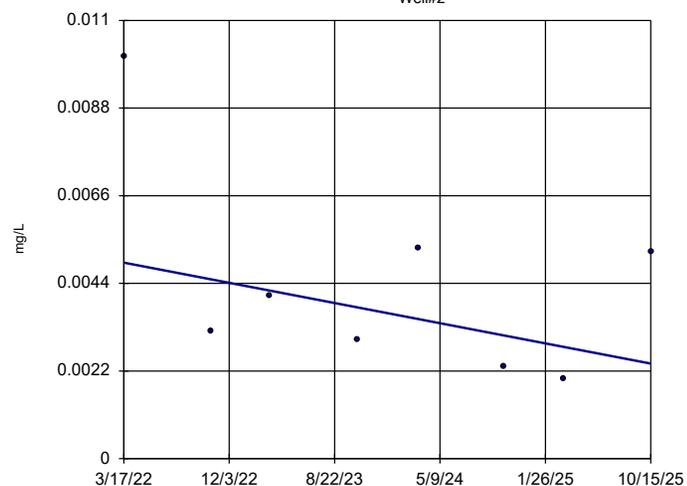


n = 8
Slope = -0.0001834
units per year.
Mann-Kendall
statistic = -3
critical = -21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#2

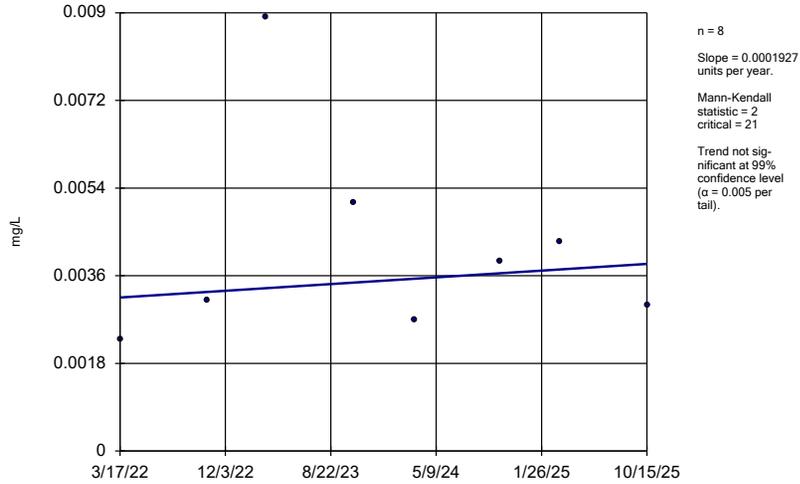


n = 8
Slope = -0.0007074
units per year.
Mann-Kendall
statistic = -10
critical = -21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

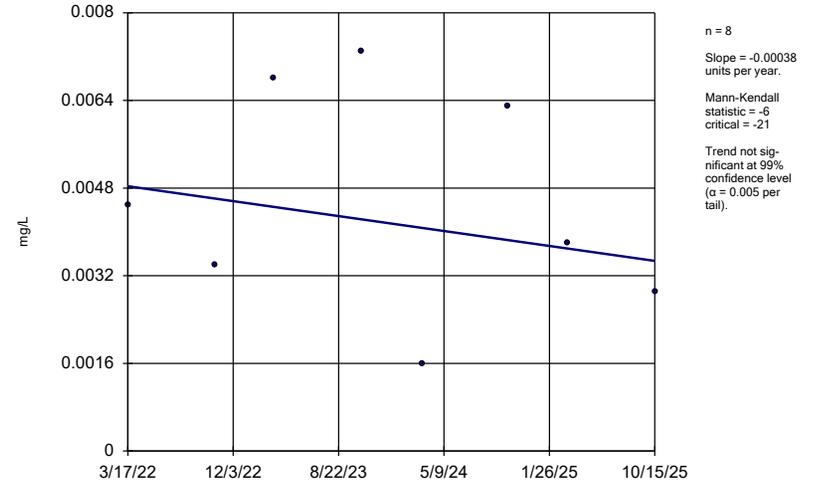
Well#3



Constituent: Copper Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

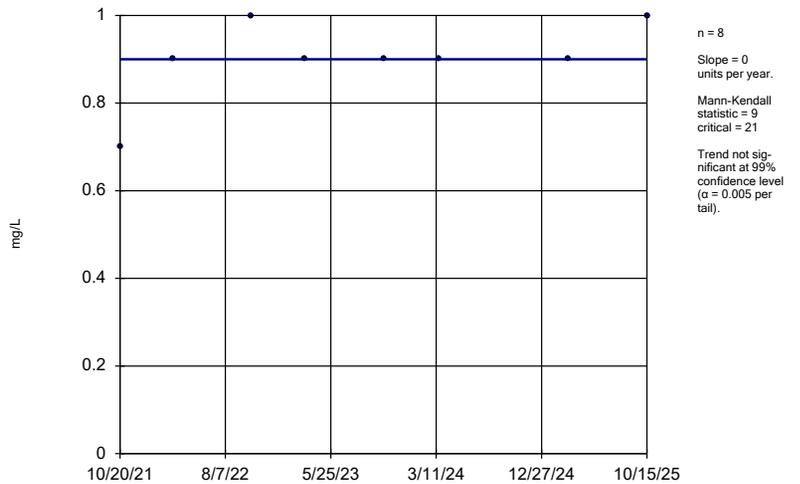
Well#4



Constituent: Copper Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

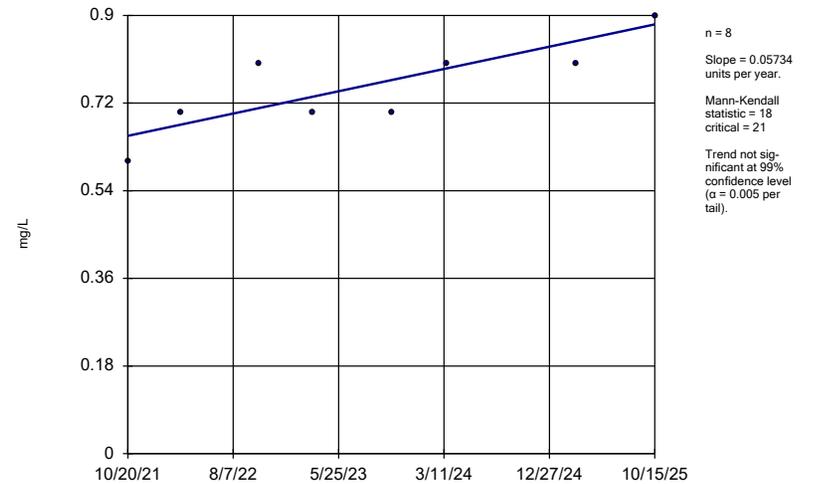
Well#1



Constituent: Fluoride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

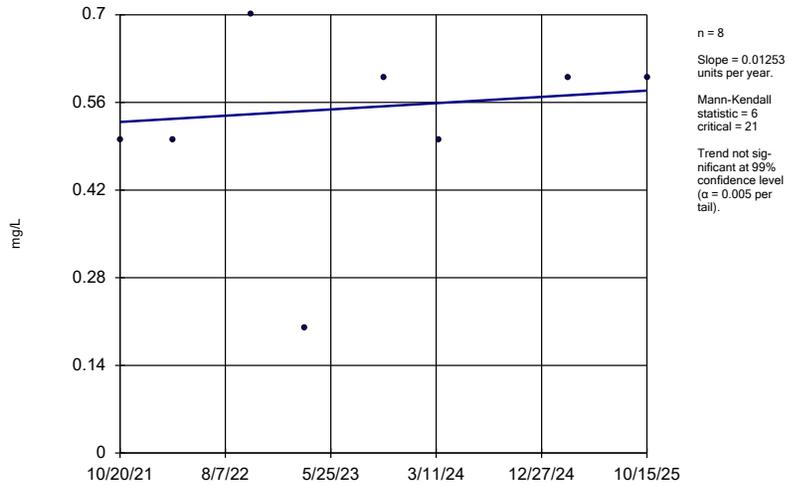
Well#2



Constituent: Fluoride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

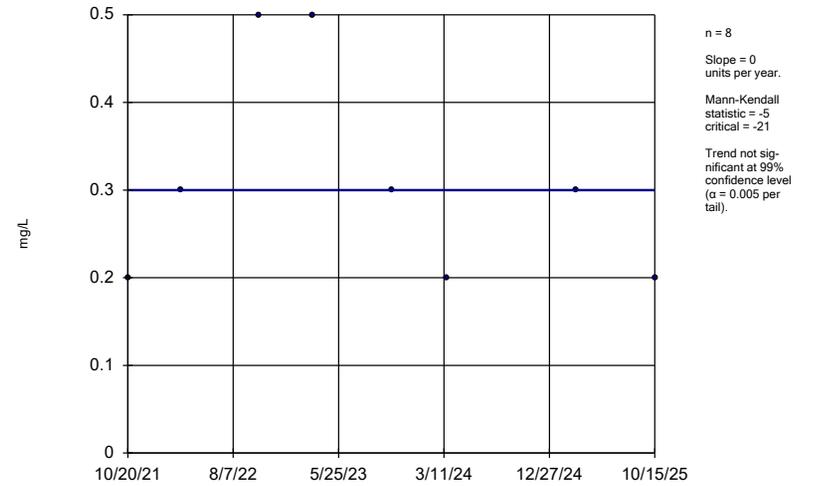
Well#3



Constituent: Fluoride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

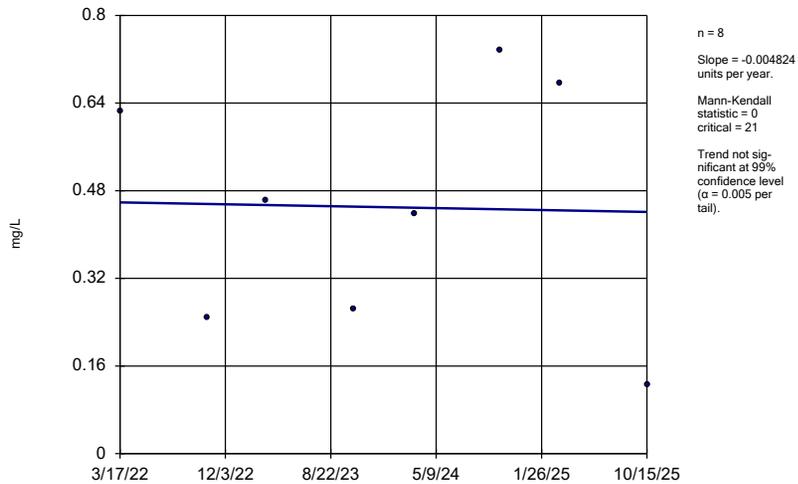
Well#4



Constituent: Fluoride Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

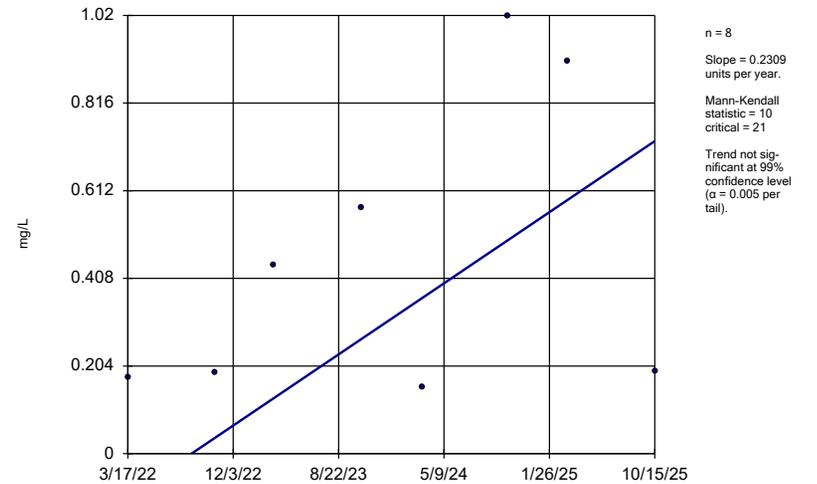
Well#1



Constituent: Iron Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

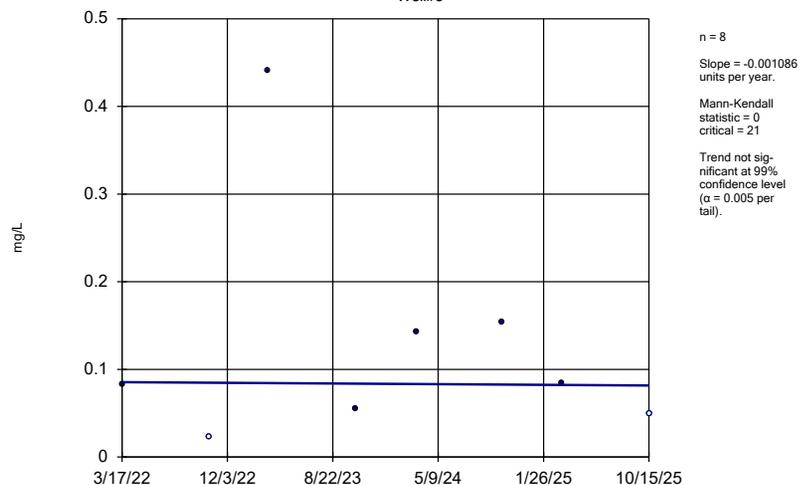
Well#2



Constituent: Iron Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

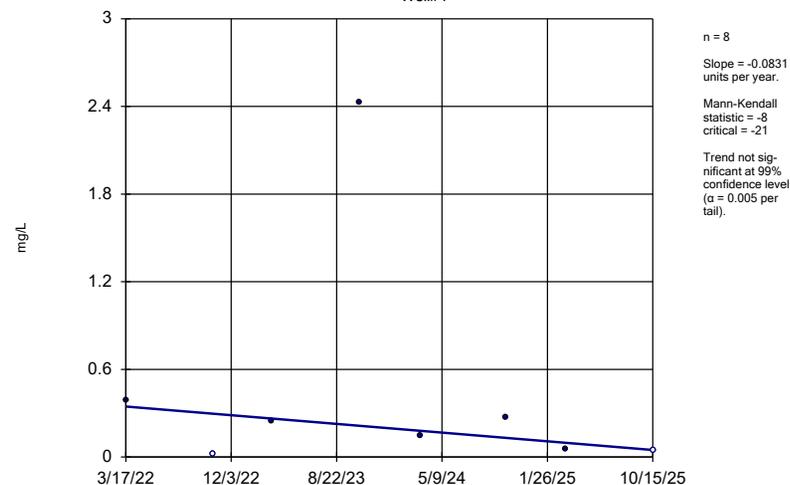
Well#3



Constituent: Iron Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

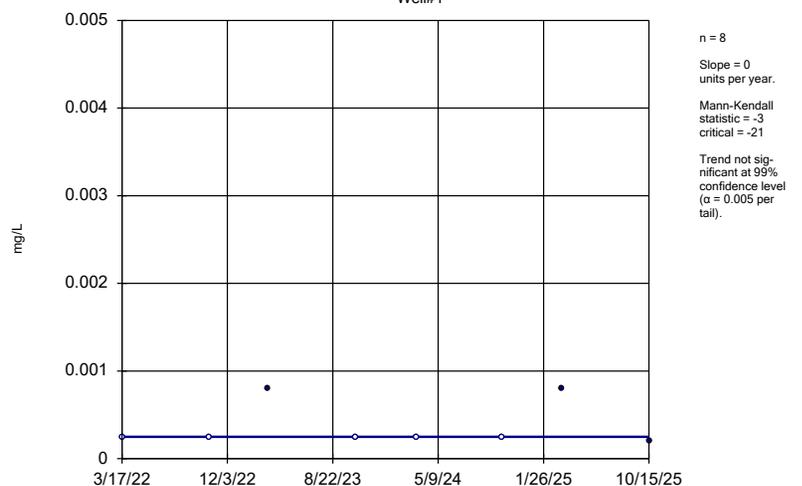
Well#4



Constituent: Iron Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

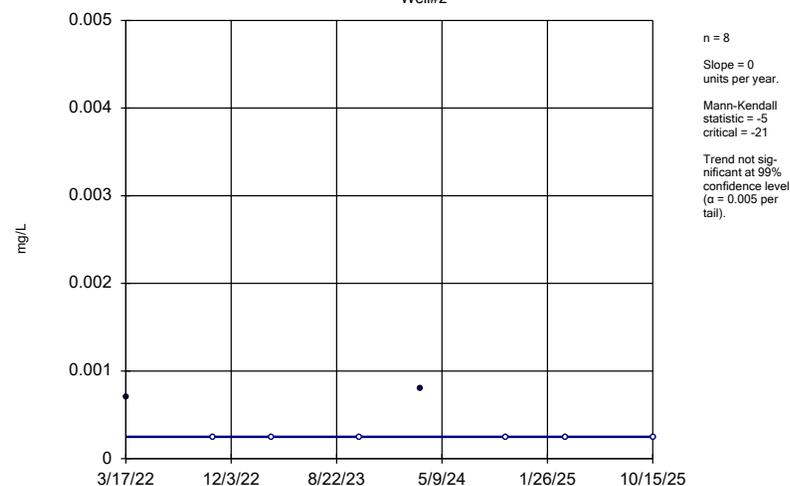
Well#1



Constituent: Lead Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

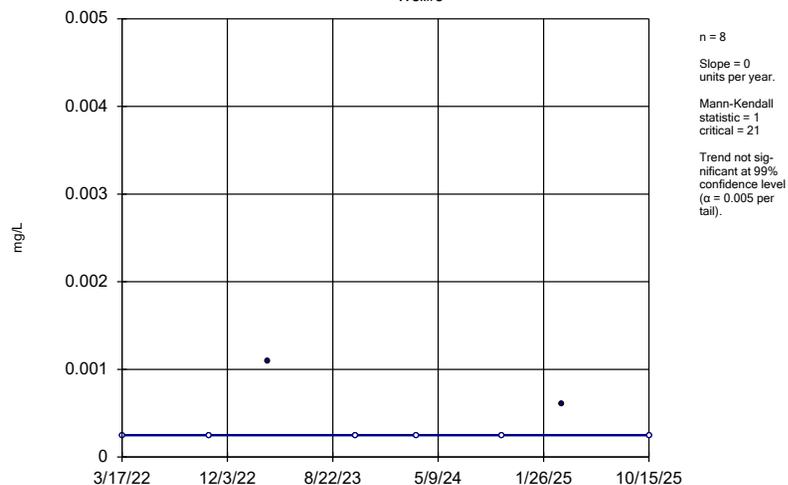
Well#2



Constituent: Lead Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

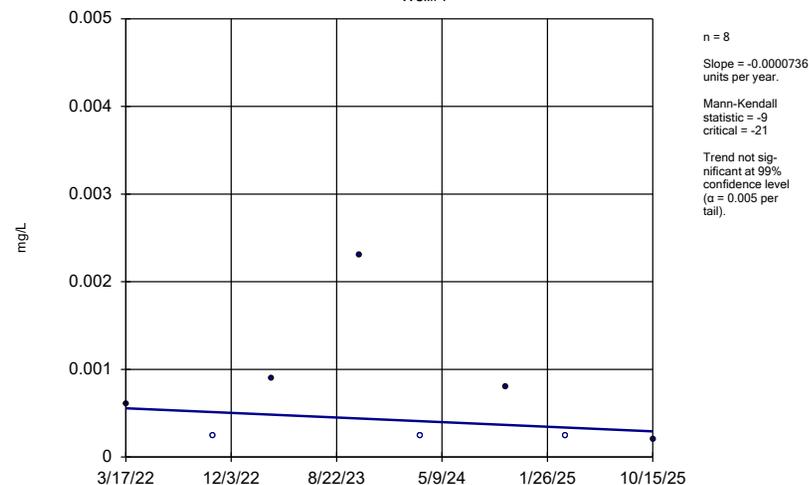
Well#3



Constituent: Lead Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

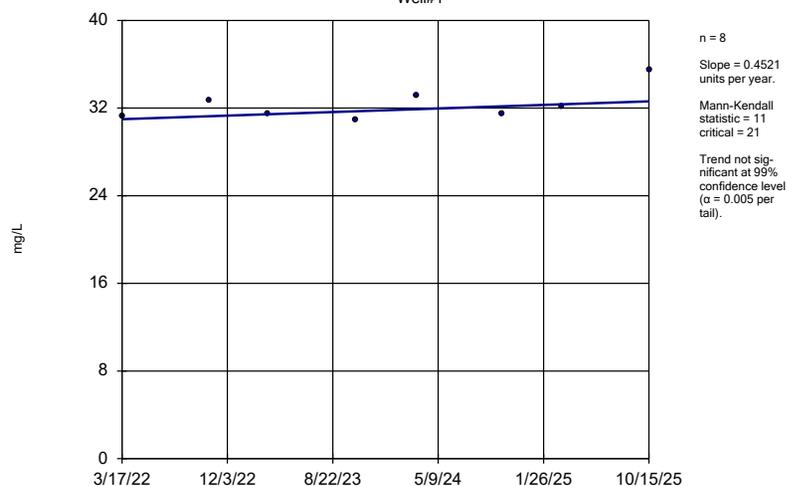
Well#4



Constituent: Lead Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

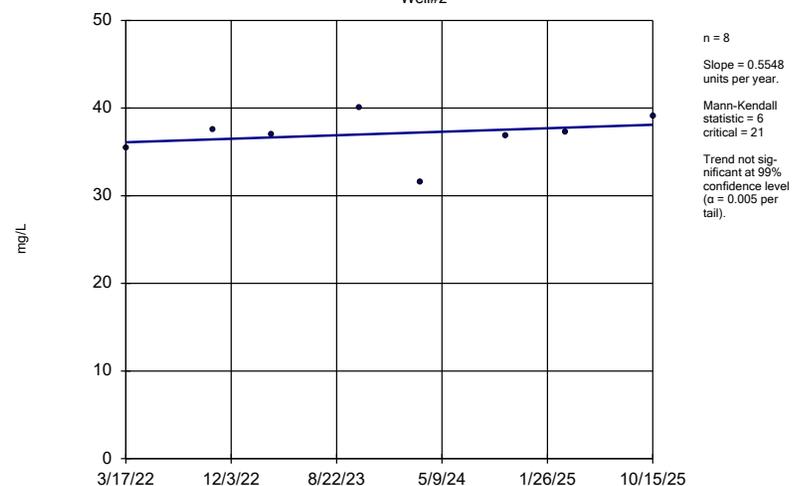
Well#1



Constituent: Magnesium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

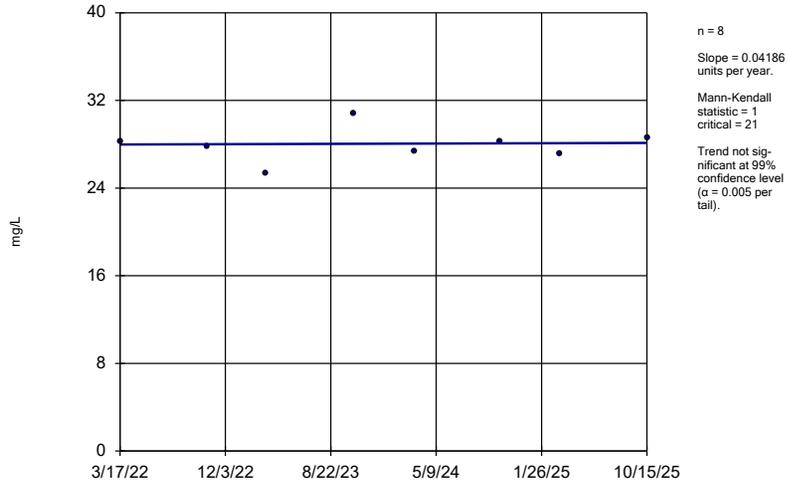
Well#2



Constituent: Magnesium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

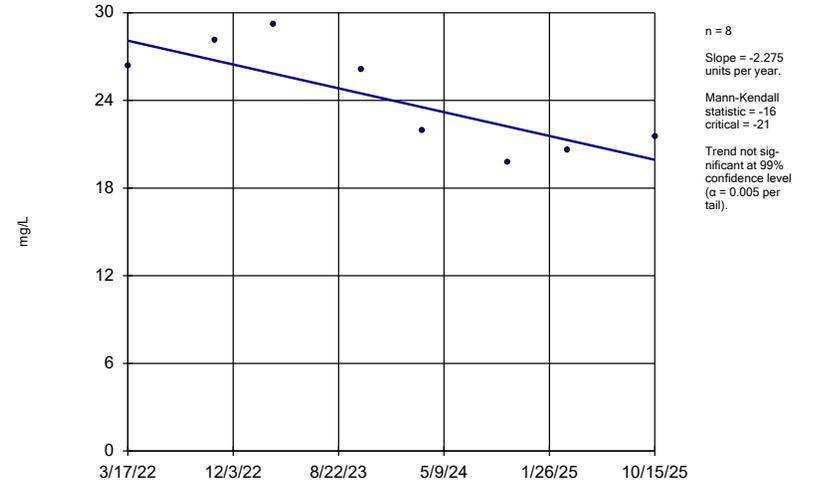
Well#3



Constituent: Magnesium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

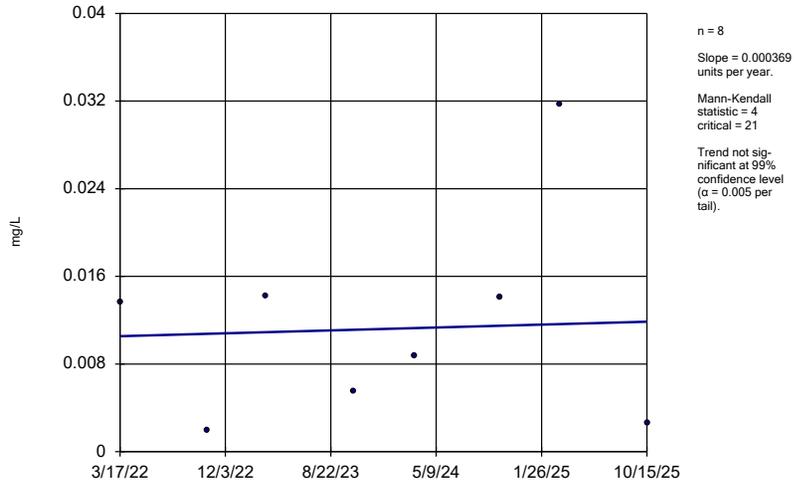
Well#4



Constituent: Magnesium Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

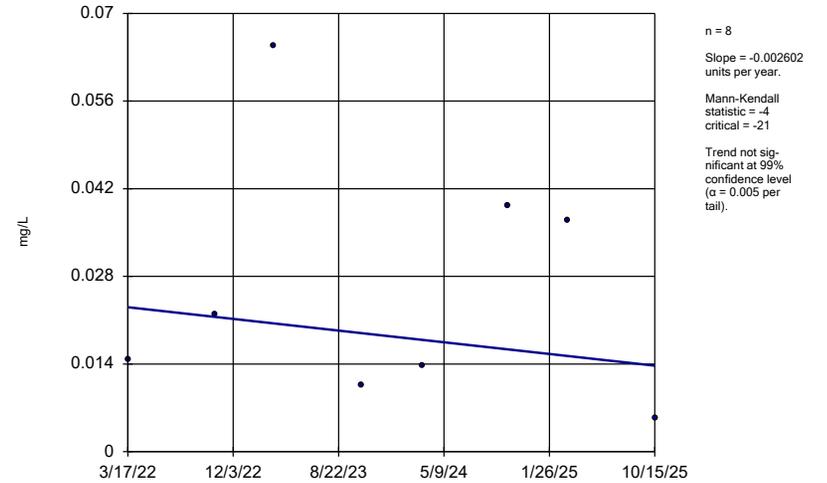
Well#1



Constituent: Manganese Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

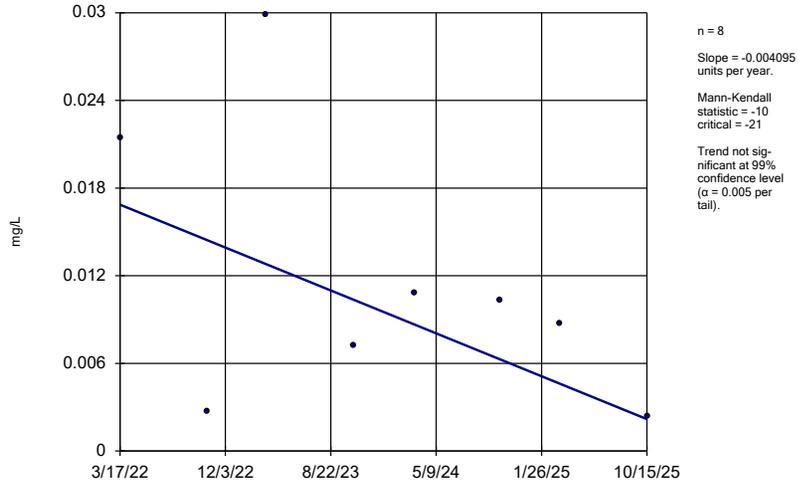
Well#2



Constituent: Manganese Analysis Run 11/20/2025 10:05 PM View: 2025AWQR-Mann_Kendall
 BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

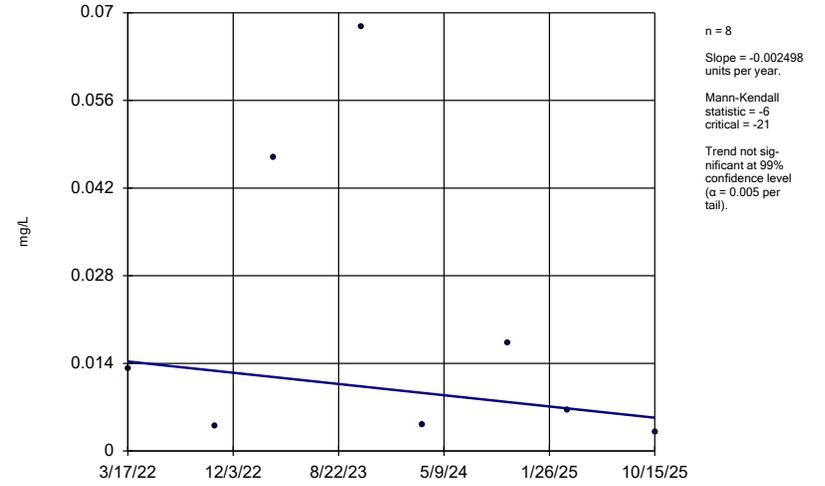
Well#3



Constituent: Manganese Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

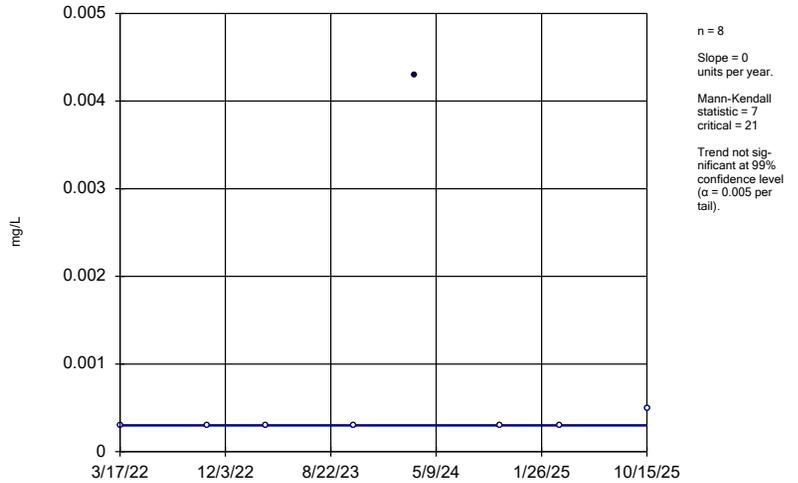
Well#4



Constituent: Manganese Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

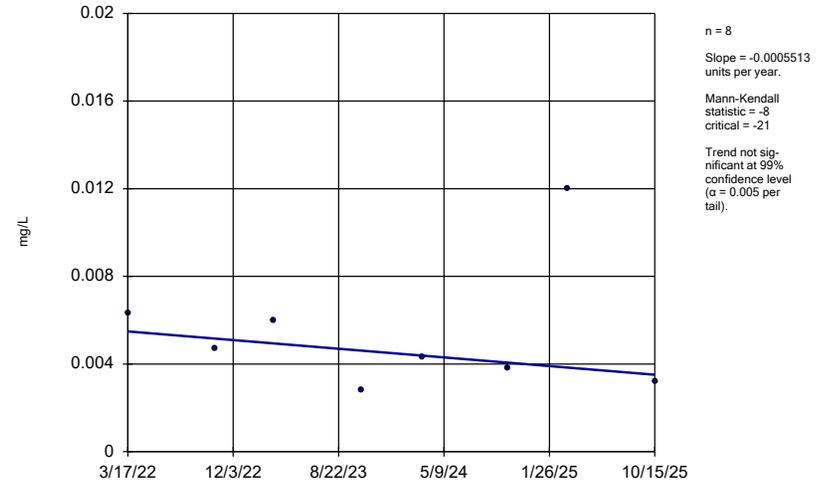
Well#2



Constituent: Molybdenum Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

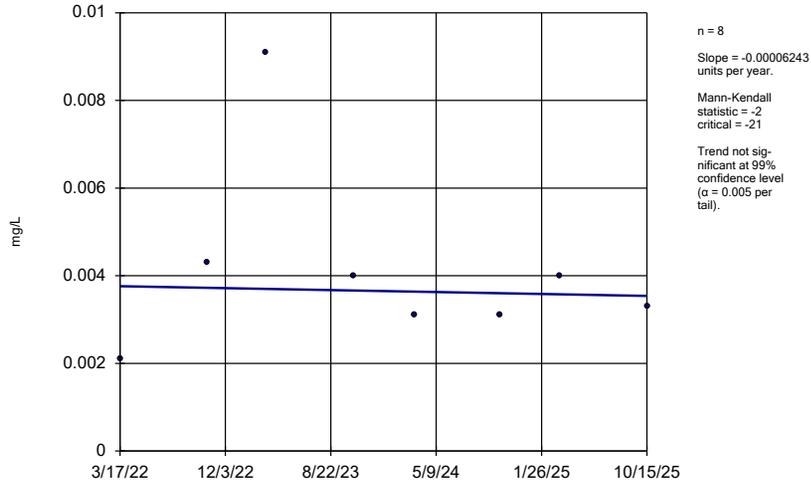
Well#3



Constituent: Molybdenum Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

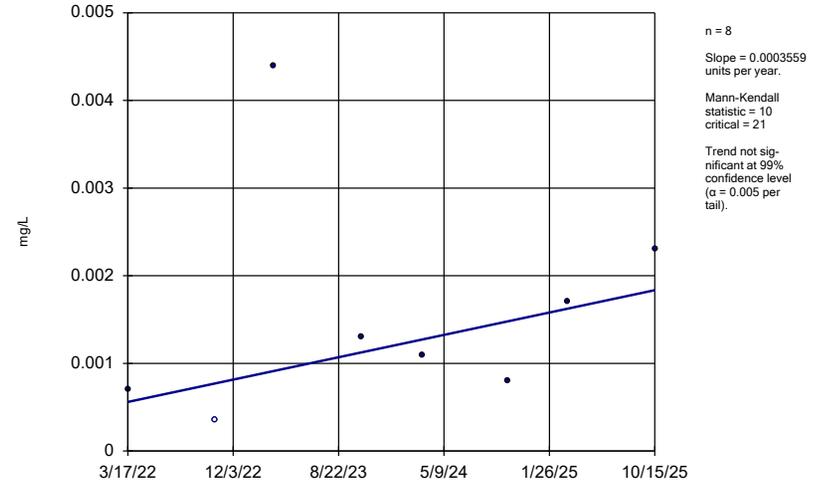
Well#4



Constituent: Molybdenum Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

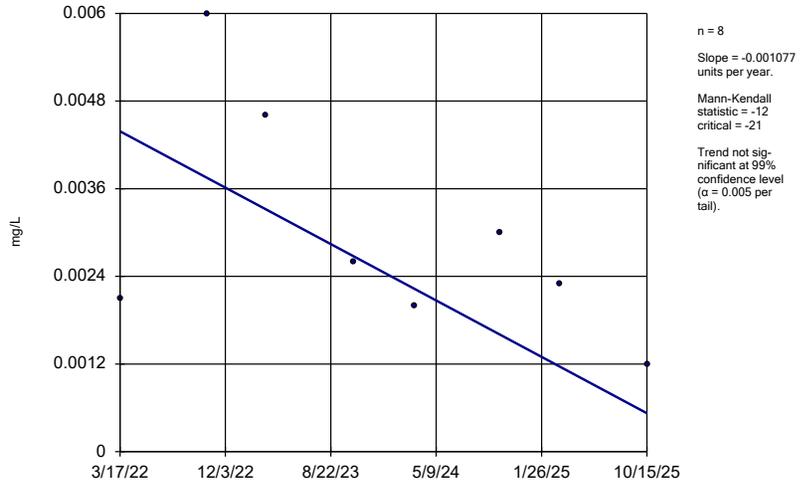
Well#1



Constituent: Nickel Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

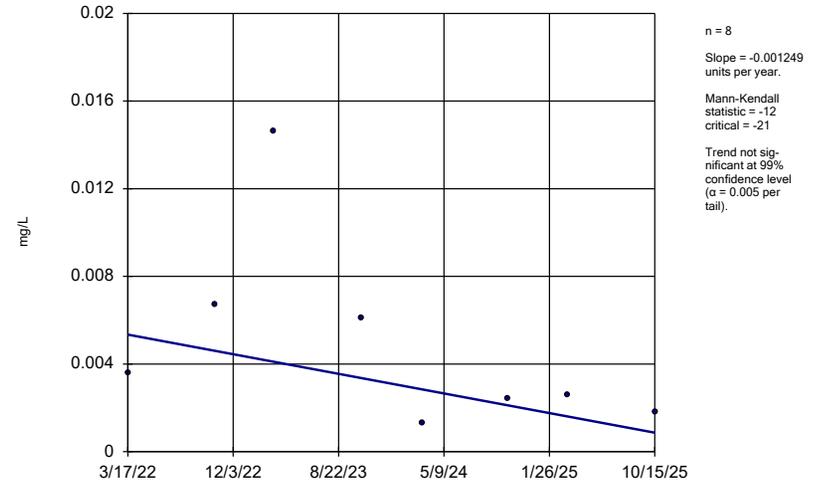
Well#3



Constituent: Nickel Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

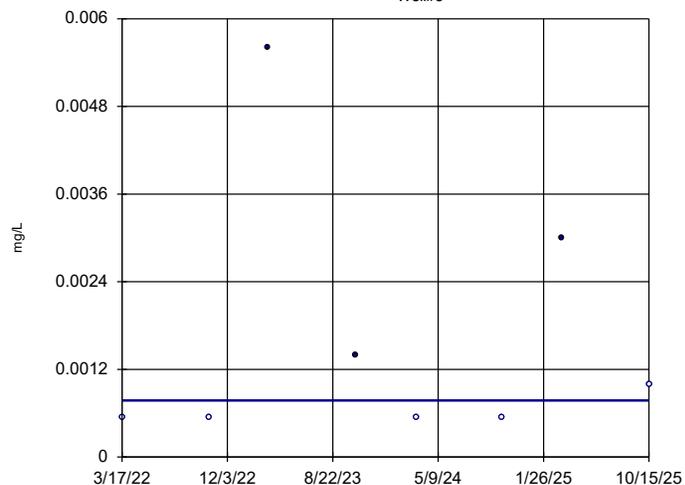
Well#4



Constituent: Nickel Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#3

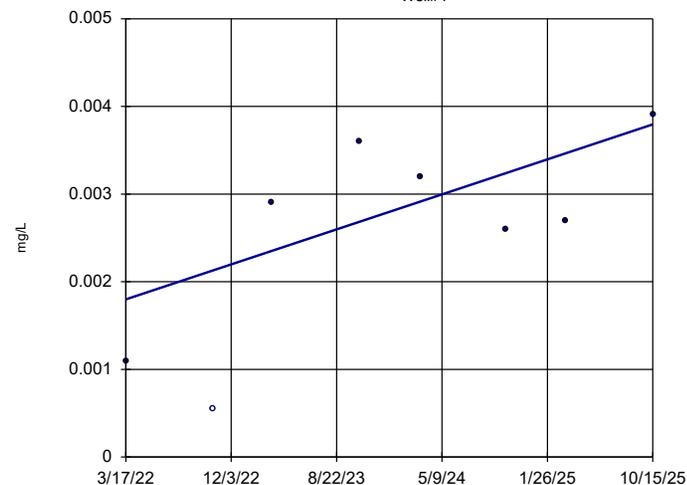


n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 4
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Selenium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#4

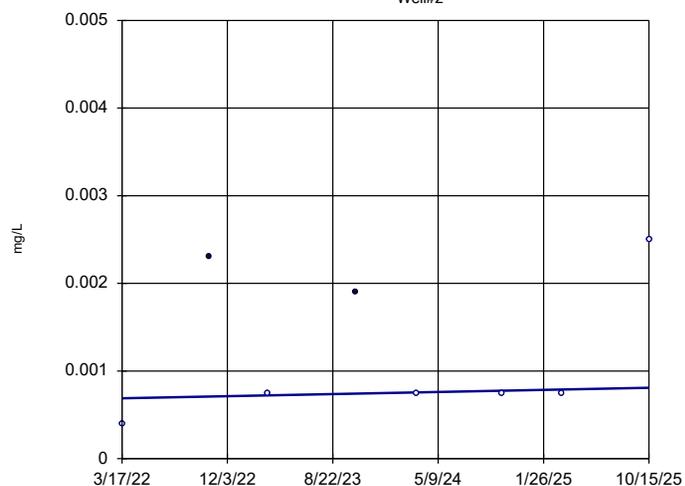


n = 8
Slope = 0.0005574
units per year.
Mann-Kendall
statistic = 12
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Selenium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#2

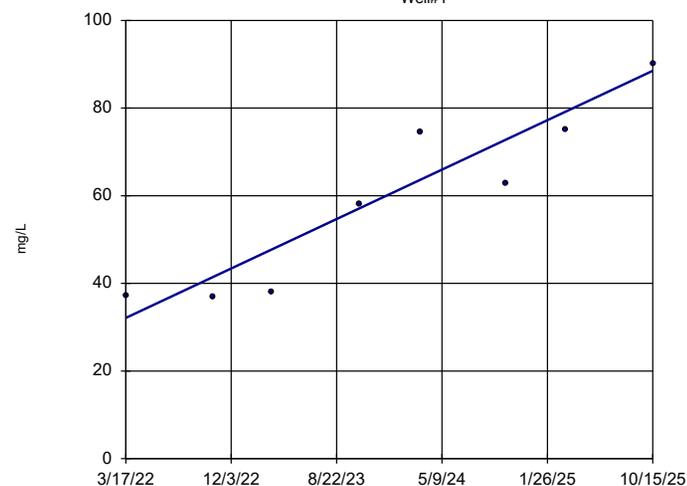


n = 8
Slope = 0.00003339
units per year.
Mann-Kendall
statistic = 5
critical = 21
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Silver Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#1

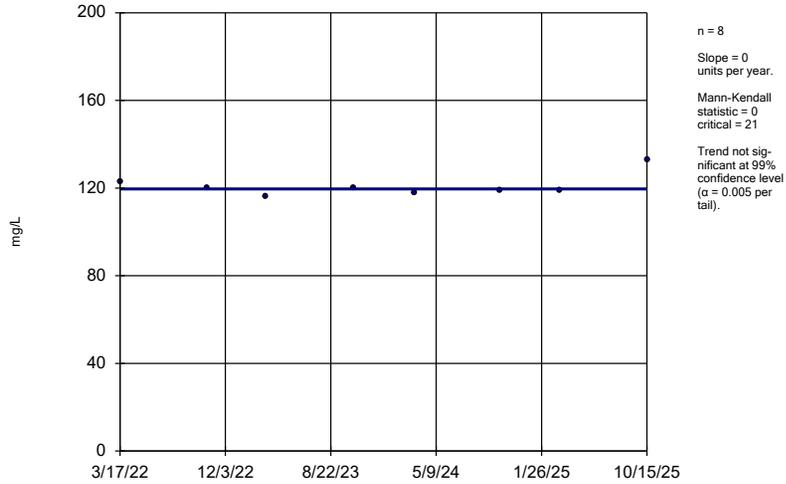


n = 8
Slope = 15.74
units per year.
Mann-Kendall
statistic = 24
critical = 21
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

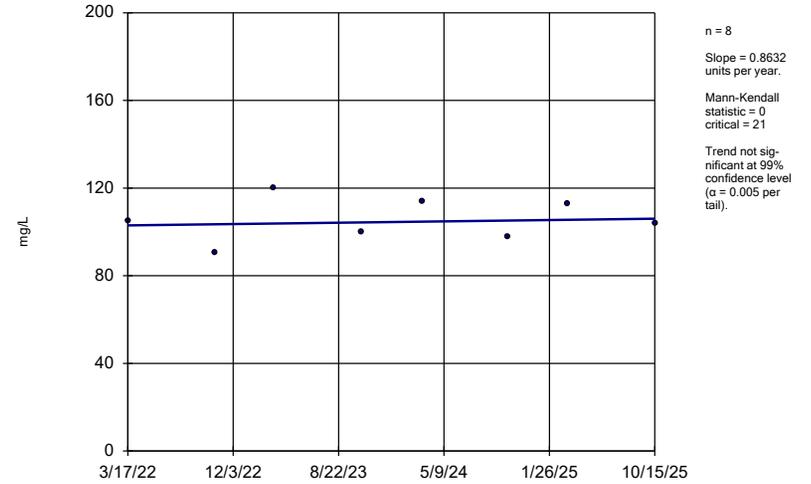
Well#2



Constituent: Sulfate Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

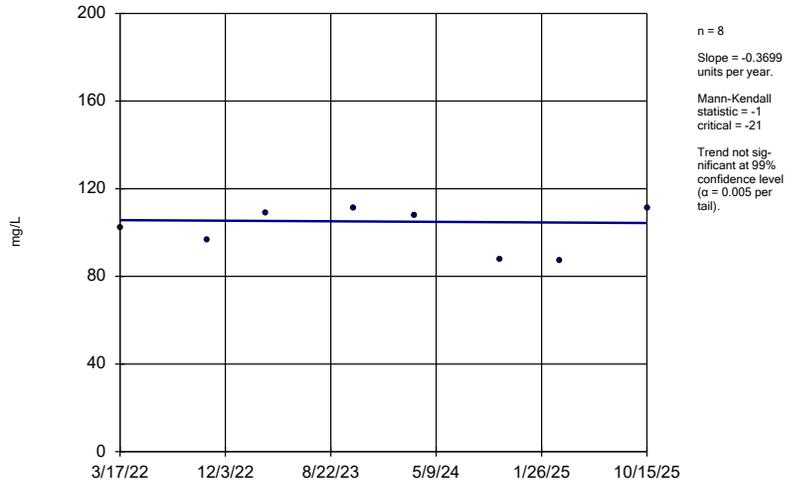
Well#3



Constituent: Sulfate Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

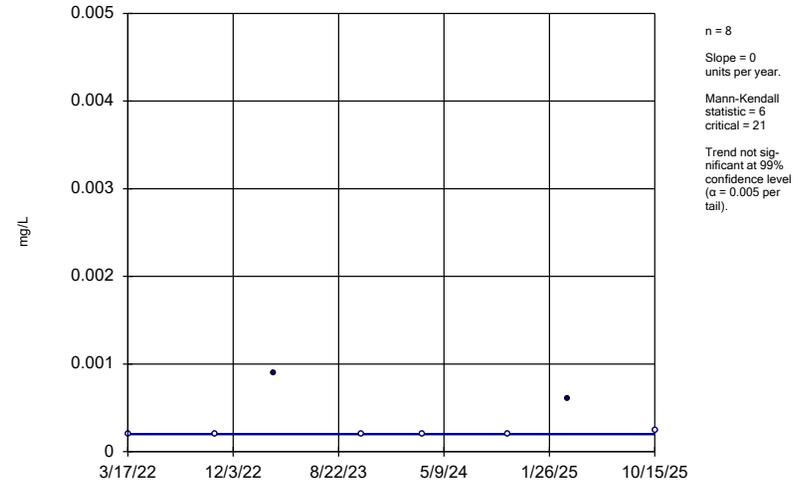
Well#4



Constituent: Sulfate Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

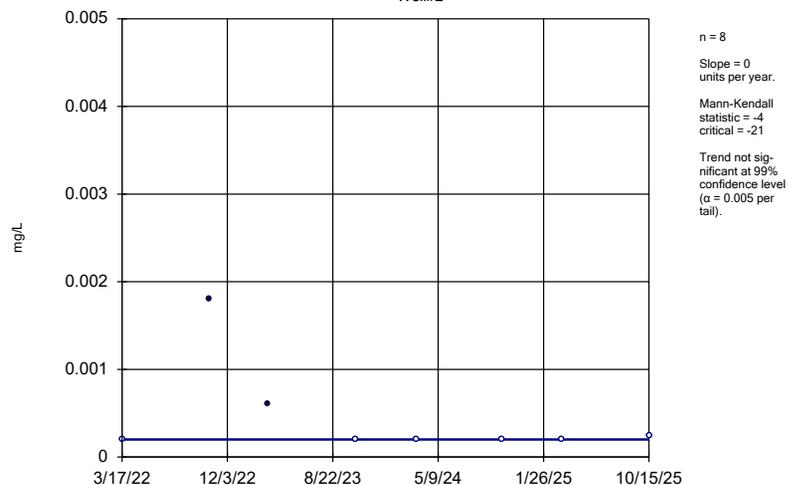
Well#1



Constituent: Thallium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

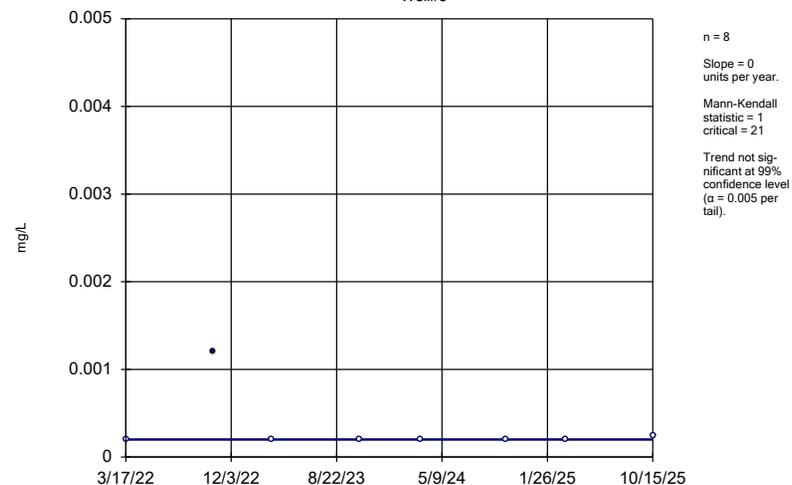
Well#2



Constituent: Thallium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

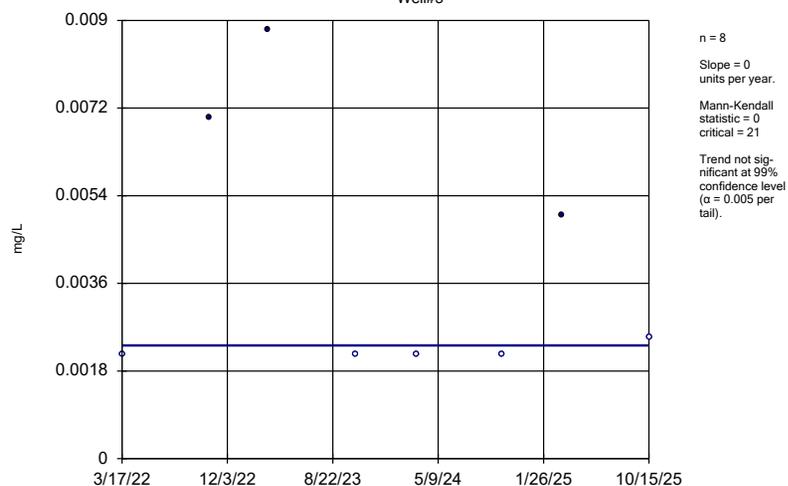
Well#3



Constituent: Thallium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

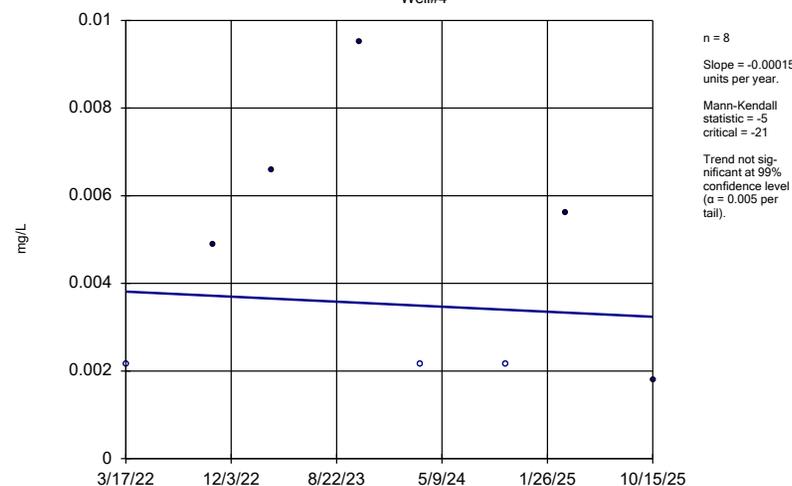
Well#3



Constituent: Vanadium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

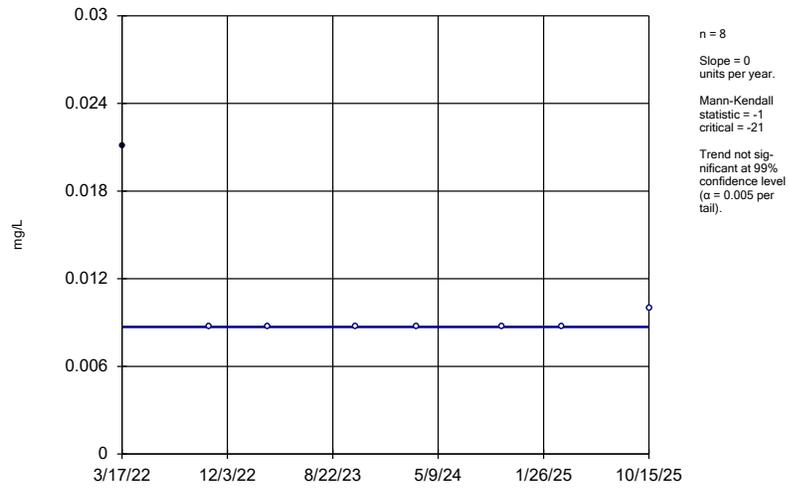
Well#4



Constituent: Vanadium Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Sen's Slope Estimator

Well#2



Constituent: Zinc Analysis Run 11/20/2025 10:06 PM View: 2025AWQR-Mann_Kendall

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Confidence Interval Summary Table and Graphs

Confidence Interval

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS Printed 11/20/2025, 10:22 PM

| <u>Constituent</u> | <u>Well</u> | <u>Upper Lim.</u> | <u>Lower Lim.</u> | <u>Compliance</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Transform</u> | <u>Alpha</u> | <u>Method</u> |
|-------------------------|---------------|-------------------|-------------------|-------------------|-------------|----------|-------------|------------------|--------------|----------------|
| Aluminum (mg/L) | Well#1 | 0.05 | 0.025 | 0.2 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Aluminum (mg/L) | Well#2 | 0.092 | 0.025 | 0.2 | No | 8 | 62.5 | No | 0.004 | NP (NDs) |
| Aluminum (mg/L) | Well#3 | 0.549 | 0.025 | 0.2 | No | 8 | 62.5 | No | 0.004 | NP (NDs) |
| Aluminum (mg/L) | Well#4 | 1.83 | 0.025 | 0.2 | No | 8 | 25 | No | 0.004 | NP (normality) |
| Arsenic (mg/L) | Well#1 | 0.003102 | 0.001048 | 0.01 | No | 8 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | Well#2 | 0.001707 | 0.0003176 | 0.01 | No | 8 | 12.5 | No | 0.01 | Param. |
| Arsenic (mg/L) | Well#3 | 0.001914 | 0.000411 | 0.01 | No | 8 | 12.5 | No | 0.01 | Param. |
| Arsenic (mg/L) | Well#4 | 0.0117 | 0.0003 | 0.01 | No | 8 | 12.5 | No | 0.004 | NP (normality) |
| Barium (mg/L) | Well#1 | 0.7749 | 0.2268 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | Well#2 | 0.162 | 0.0682 | 2 | No | 8 | 0 | No | 0.004 | NP (normality) |
| Barium (mg/L) | Well#3 | 0.1454 | 0.0745 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | Well#4 | 0.203 | 0.0725 | 2 | No | 8 | 0 | No | 0.004 | NP (normality) |
| Chloride (mg/L) | Well#1 | 11.51 | 8.788 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Chloride (mg/L) | Well#2 | 14.13 | 12.1 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Chloride (mg/L) | Well#3 | 28.93 | 20.05 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Chloride (mg/L) | Well#4 | 24.45 | 15.65 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Chromium (mg/L) | Well#3 | 0.0031 | 0.00035 | 0.1 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | Well#4 | 0.005 | 0.00035 | 0.1 | No | 8 | 25 | No | 0.004 | NP (normality) |
| Copper (mg/L) | Well#1 | 0.006063 | 0.001437 | 1.3 | No | 8 | 0 | No | 0.01 | Param. |
| Copper (mg/L) | Well#2 | 0.007164 | 0.001636 | 1.3 | No | 8 | 0 | No | 0.01 | Param. |
| Copper (mg/L) | Well#3 | 0.006411 | 0.001914 | 1.3 | No | 8 | 0 | No | 0.01 | Param. |
| Copper (mg/L) | Well#4 | 0.006732 | 0.002418 | 1.3 | No | 8 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | Well#1 | 0.9981 | 0.8019 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | Well#2 | 0.8481 | 0.6519 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | Well#3 | 0.6827 | 0.3673 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | Well#4 | 0.4446 | 0.1804 | 2 | No | 8 | 0 | No | 0.01 | Param. |
| Iron (mg/L) | Well#1 | 0.6818 | 0.2127 | 0.3 | No | 8 | 0 | No | 0.01 | Param. |
| Iron (mg/L) | Well#2 | 0.827 | 0.08752 | 0.3 | No | 8 | 0 | No | 0.01 | Param. |
| Iron (mg/L) | Well#3 | 0.441 | 0.0235 | 0.3 | No | 8 | 25 | No | 0.004 | NP (normality) |
| Iron (mg/L) | Well#4 | 2.43 | 0.0235 | 0.3 | No | 8 | 25 | No | 0.004 | NP (normality) |
| Lead (mg/L) | Well#1 | 0.0008 | 0.0002 | 0.015 | No | 8 | 62.5 | No | 0.004 | NP (NDs) |
| Lead (mg/L) | Well#2 | 0.0008 | 0.00025 | 0.015 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Lead (mg/L) | Well#3 | 0.0011 | 0.00025 | 0.015 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Lead (mg/L) | Well#4 | 0.0023 | 0.0002 | 0.015 | No | 8 | 37.5 | No | 0.004 | NP (normality) |
| Magnesium (mg/L) | Well#1 | 33.89 | 30.73 | 25.96 | Yes | 8 | 0 | No | 0.01 | Param. |
| Magnesium (mg/L) | Well#2 | 39.6 | 34.12 | 25.96 | Yes | 8 | 0 | No | 0.01 | Param. |
| Magnesium (mg/L) | Well#3 | 29.59 | 26.31 | 25.96 | Yes | 8 | 0 | No | 0.01 | Param. |
| Magnesium (mg/L) | Well#4 | 28.08 | 20.32 | 25.96 | No | 8 | 0 | No | 0.01 | Param. |
| Manganese (mg/L) | Well#1 | 0.0217 | 0.001398 | 0.05 | No | 8 | 0 | No | 0.01 | Param. |
| Manganese (mg/L) | Well#2 | 0.04695 | 0.004952 | 0.05 | No | 8 | 0 | No | 0.01 | Param. |
| Manganese (mg/L) | Well#3 | 0.02169 | 0.001661 | 0.05 | No | 8 | 0 | No | 0.01 | Param. |
| Manganese (mg/L) | Well#4 | 0.04577 | 0 | 0.05 | No | 8 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | Well#2 | 0.0043 | 0.0003 | 0.04 | No | 8 | 87.5 | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | Well#3 | 0.008506 | 0.002269 | 0.04 | No | 8 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | Well#4 | 0.0091 | 0.0021 | 0.04 | No | 8 | 0 | No | 0.004 | NP (normality) |
| Nickel (mg/L) | Well#1 | 0.002951 | 0.0002115 | 0.1 | No | 8 | 12.5 | No | 0.01 | Param. |
| Nickel (mg/L) | Well#3 | 0.004639 | 0.001311 | 0.1 | No | 8 | 0 | No | 0.01 | Param. |
| Nickel (mg/L) | Well#4 | 0.009535 | 0.0002402 | 0.1 | No | 8 | 0 | No | 0.01 | Param. |
| Selenium (mg/L) | Well#3 | 0.0056 | 0.00055 | 0.05 | No | 8 | 62.5 | No | 0.004 | NP (NDs) |
| Selenium (mg/L) | Well#4 | 0.00381 | 0.001328 | 0.05 | No | 8 | 12.5 | No | 0.01 | Param. |

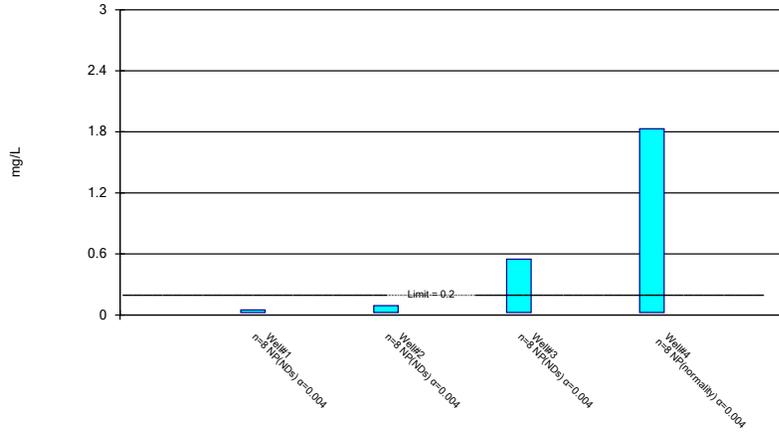
Confidence Interval

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS Printed 11/20/2025, 10:22 PM

| <u>Constituent</u> | <u>Well</u> | <u>Upper Lim.</u> | <u>Lower Lim.</u> | <u>Compliance</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Transform</u> | <u>Alpha</u> | <u>Method</u> |
|--------------------|-------------|-------------------|-------------------|-------------------|-------------|----------|-------------|------------------|--------------|---------------|
| Silver (mg/L) | Well#2 | 0.0025 | 0.0004 | 0.1 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Sulfate (mg/L) | Well#2 | 126.6 | 115.4 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Sulfate (mg/L) | Well#3 | 115.8 | 95.36 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Sulfate (mg/L) | Well#4 | 112.2 | 90.87 | 250 | No | 8 | 0 | No | 0.01 | Param. |
| Thallium (mg/L) | Well#1 | 0.0009 | 0.0002 | 0.002 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | Well#2 | 0.0018 | 0.0002 | 0.002 | No | 8 | 75 | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | Well#3 | 0.0012 | 0.0002 | 0.002 | No | 8 | 87.5 | No | 0.004 | NP (NDs) |
| Vanadium (mg/L) | Well#3 | 0.0088 | 0.00215 | 0.035 | No | 8 | 62.5 | No | 0.004 | NP (NDs) |
| Vanadium (mg/L) | Well#4 | 0.007112 | 0.001338 | 0.035 | No | 8 | 37.5 | No | 0.01 | Param. |
| Zinc (mg/L) | Well#2 | 0.0211 | 0.0087 | 2 | No | 8 | 87.5 | No | 0.004 | NP (NDs) |

Non-Parametric Confidence Interval

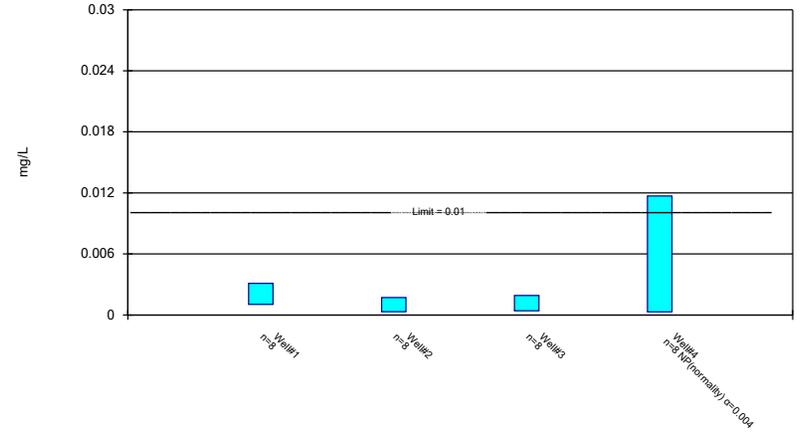
Compliance Limit is not exceeded.



Constituent: Aluminum Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

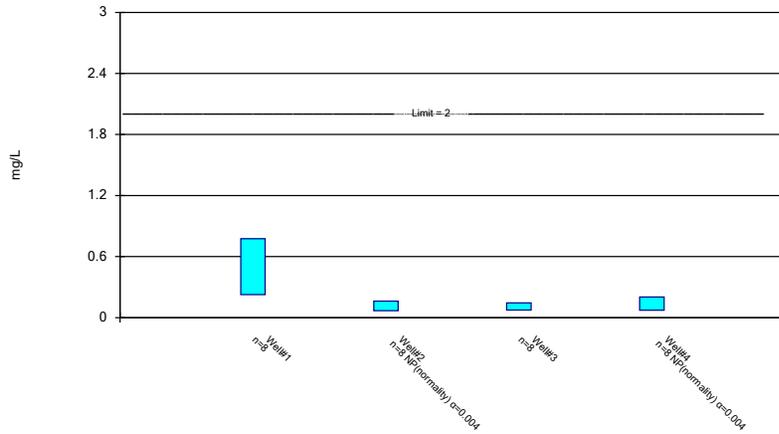
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Arsenic Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

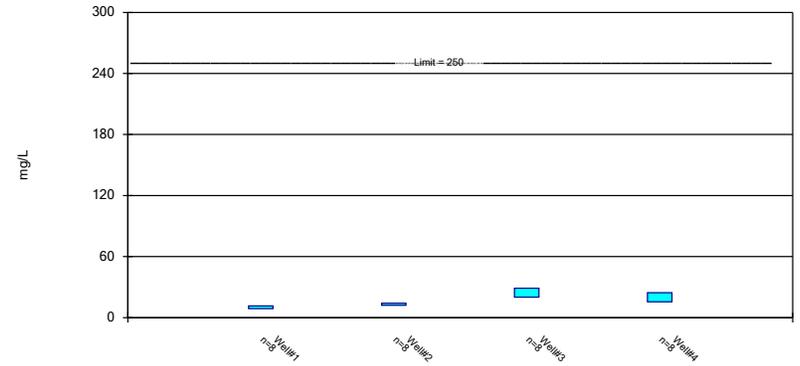
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

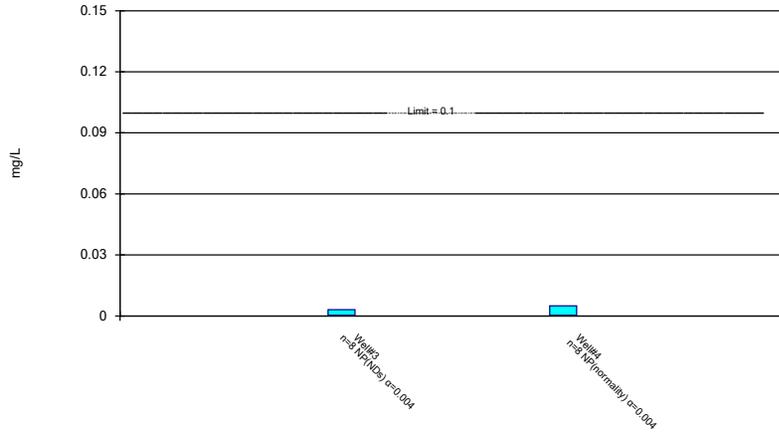
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Chloride Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Non-Parametric Confidence Interval

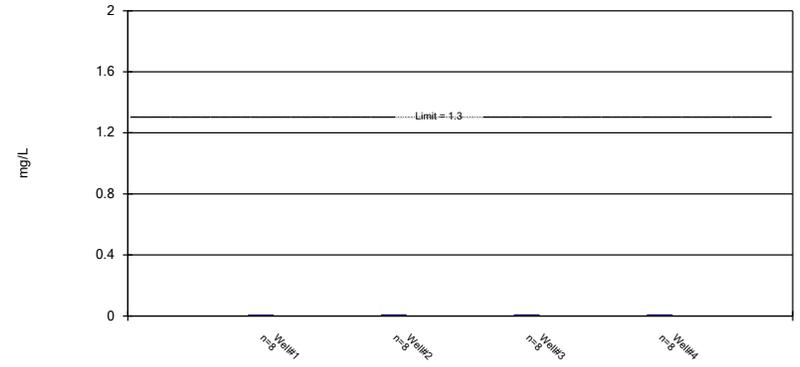
Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

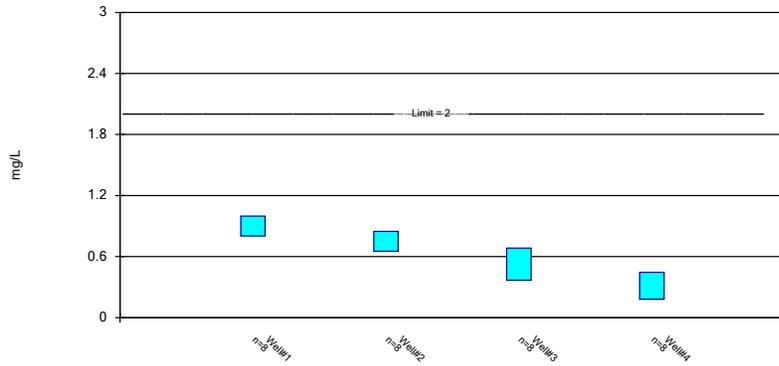
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Copper Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

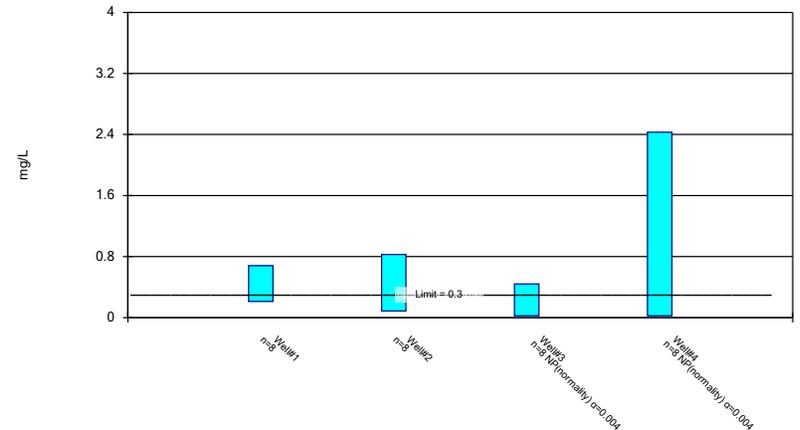
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Fluoride Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

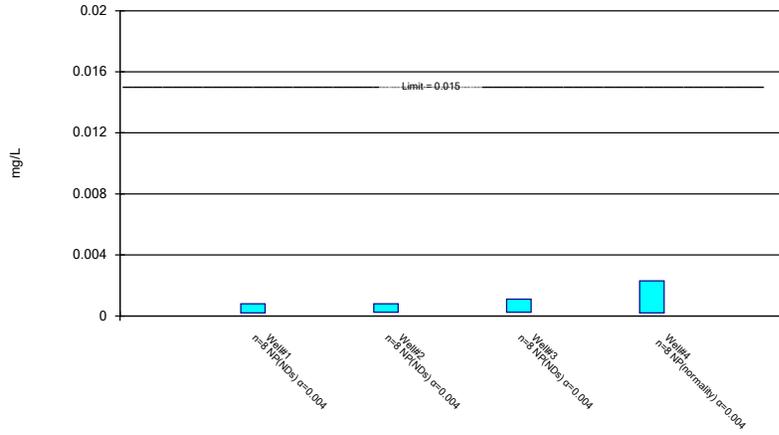
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Iron Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Non-Parametric Confidence Interval

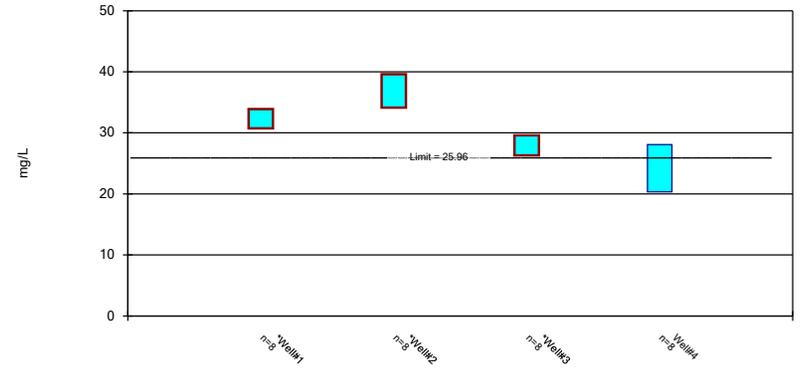
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

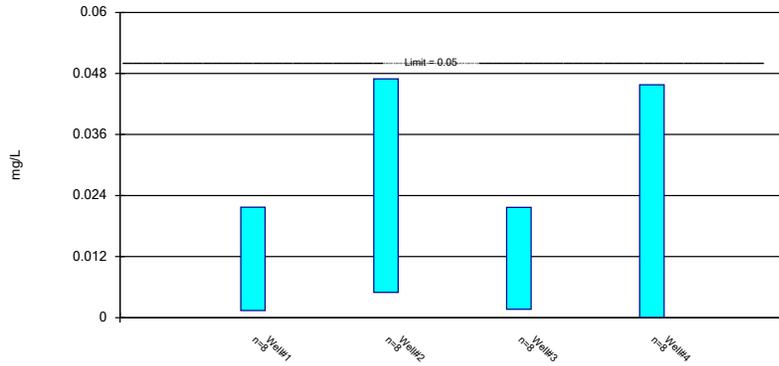
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Magnesium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

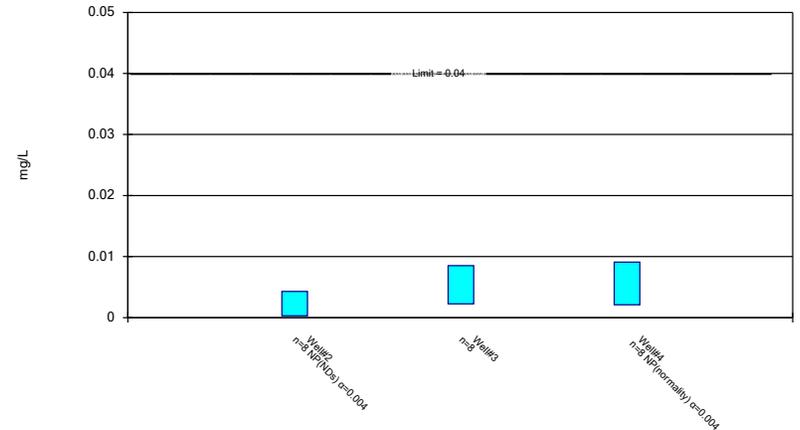
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Manganese Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

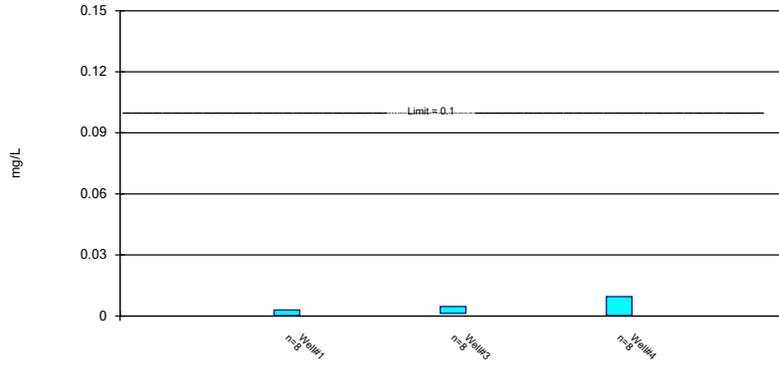
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Molybdenum Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

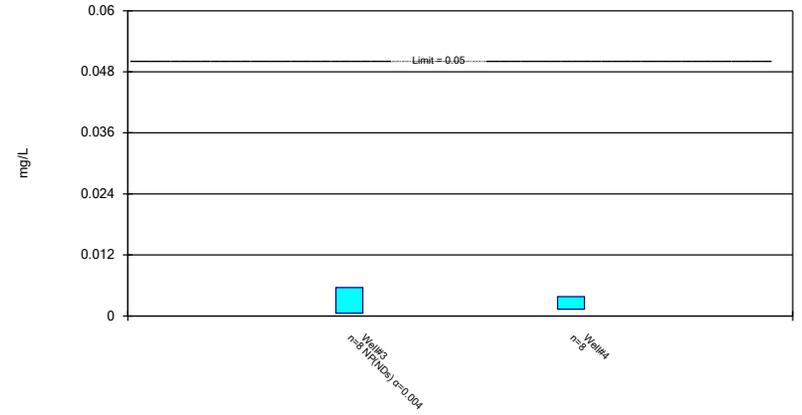
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Nickel Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

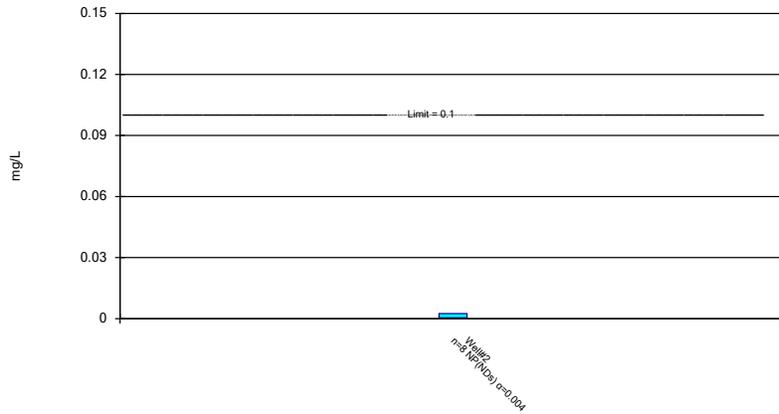
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Selenium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Non-Parametric Confidence Interval

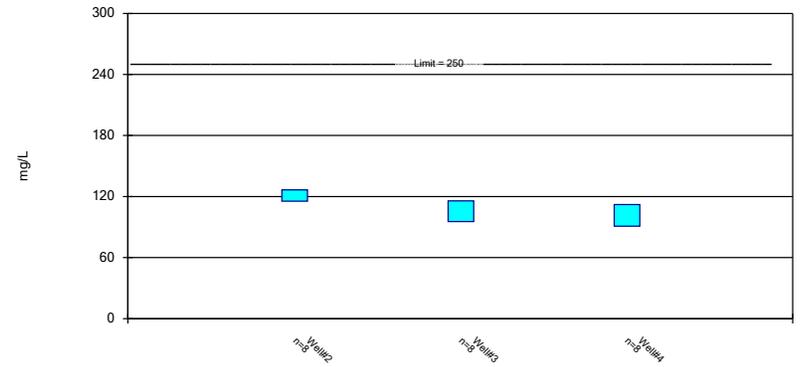
Compliance Limit is not exceeded.



Constituent: Silver Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric Confidence Interval

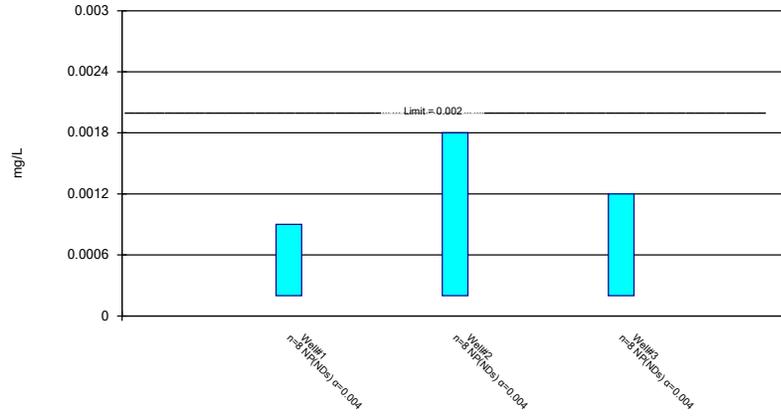
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Sulfate Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Non-Parametric Confidence Interval

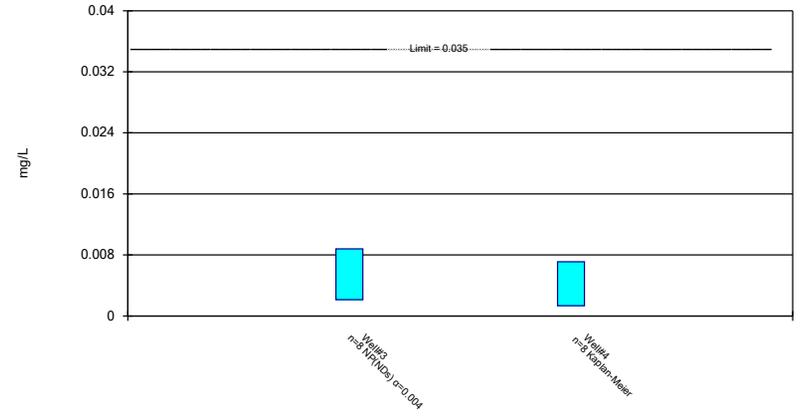
Compliance Limit is not exceeded.



Constituent: Thallium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Parametric and Non-Parametric (NP) Confidence Interval

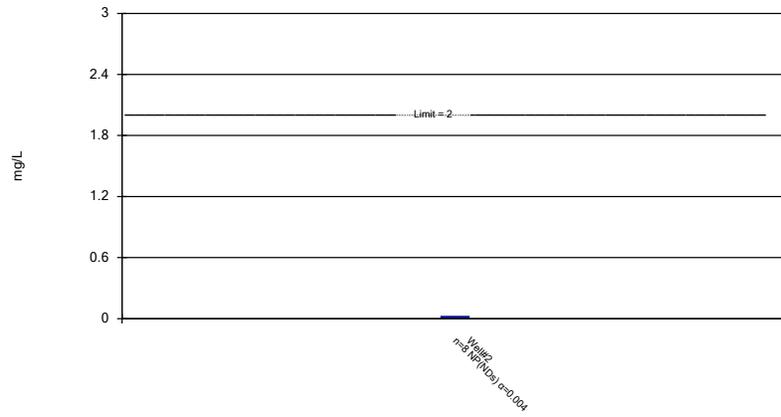
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Vanadium Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Zinc Analysis Run 11/20/2025 10:20 PM View: 2025AWQR-Confidence_Interval
BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

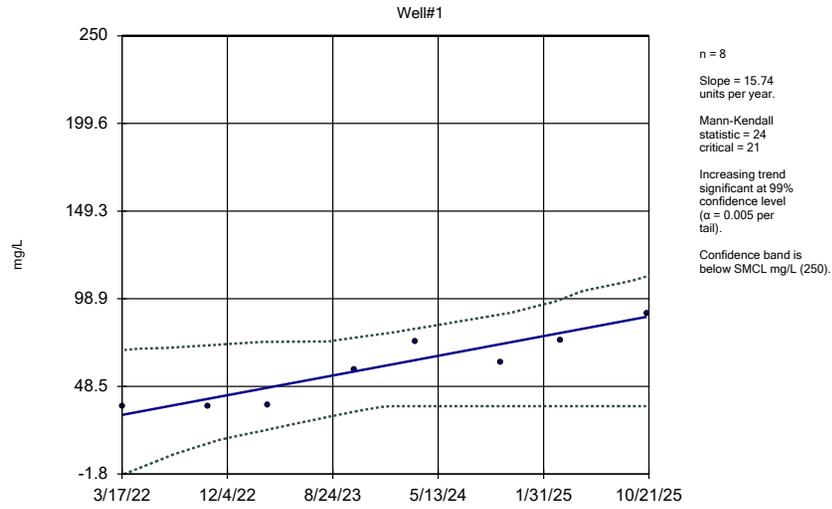
Theil-Sen Trend Line and Confidence Bands Summary Table and Graphs

Theil Sen\Trend Test

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS Printed 11/20/2025, 10:24 PM

| <u>Constituent</u> | <u>Well</u> | <u>Slope</u> | <u>Calc.</u> | <u>Critical</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Alpha</u> | <u>Method</u> |
|-----------------------|---------------|--------------|--------------|-----------------|-------------|----------|-------------|--------------|---------------|
| Sulfate (mg/L) | Well#1 | 15.74 | 24 | 21 | Yes | 8 | 0 | 0.01 | NP |

Sen's Slope and 99% Confidence Band



Constituent: Sulfate Analysis Run 11/20/2025 10:23 PM View: 2025AWQR-Theil_Sen

BMC Quarry CCR Disposal Site Client: SCS Engineers Data: BMC Quarry_2025_AWQR_AM_AWRS

Appendix E
Mann-Kendall Output ($\alpha = 0.20$)

| Monitoring Well | Constituent Name | Calculated Statistic | | |
|-----------------|------------------|----------------------|--------------|------------------|
| | | Decreasing Trend | Stable Trend | Increasing Trend |
| Well#1 | Aluminum | | 2 | |
| | Arsenic | | 0 | |
| | Barium | -18 | | |
| | Chloride | | | 19 |
| | Copper | | -3 | |
| | Fluoride | | 9 | |
| | Iron | | 0 | |
| | Lead | | -3 | |
| | Magnesium | | 11 | |
| | Manganese | | 4 | |
| | Nickel | | 10 | |
| | Sulfate | | | 24 |
| | Thallium | | 6 | |
| Well#2 | Aluminum | | -10 | |
| | Arsenic | | -2 | |
| | Barium | | 10 | |
| | Chloride | | -2 | |
| | Copper | | -10 | |
| | Fluoride | | | 18 |
| | Iron | | 10 | |
| | Lead | | -5 | |
| | Magnesium | | 6 | |
| | Manganese | | -4 | |
| | Molybdenum | | 7 | |
| | Silver | | 6 | |
| | Sulfate | | 0 | |
| | Thallium | | -4 | |
| Zinc | | -1 | | |
| Well#3 | Aluminum | | -8 | |
| | Arsenic | | 5 | |
| | Barium | | -12 | |
| | Chloride | | -4 | |
| | Chromium | | 3 | |
| | Copper | | 2 | |
| | Fluoride | | 6 | |
| | Iron | | 0 | |
| | Lead | | 1 | |
| | Magnesium | | 1 | |
| | Manganese | | -10 | |
| | Molybdenum | | -8 | |
| | Nickel | | -12 | |
| | Selenium | | 4 | |
| | Sulfate | | 0 | |
| Thallium | | 1 | | |
| Vanadium | | 0 | | |

| Monitoring Well | Constituent Name | Calculated Statistic | | |
|-----------------|------------------|----------------------|--------------|------------------|
| | | Decreasing Trend | Stable Trend | Increasing Trend |
| Well#4 | Aluminum | | -3 | |
| | Arsenic | | | 14 |
| | Barium | | -6 | |
| | Chloride | | | 20 |
| | Chromium | | -7 | |
| | Copper | | -6 | |
| | Fluoride | | -5 | |
| | Iron | | -8 | |
| | Lead | | -9 | |
| | Magnesium | -16 | | |
| | Manganese | | -6 | |
| | Molybdenum | | -2 | |
| | Nickel | | -12 | |
| | Selenium | | 12 | |
| | Sulfate | | -1 | |
| | Vanadium | | -5 | |